
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-1
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

MRI INTERVENTIONS, INC.

(Exact name of registrant as specified in its charter)

Delaware
*(State or other jurisdiction of
incorporation or organization)*

3841
*(Primary Standard Industrial
Classification Code Number)*

58-2394628
*(I.R.S. Employer
Identification No.)*

**5 Musick
Irvine, California 92618
(949) 900-6833**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive office)

**Harold A. Hurwitz
Chief Financial Officer and Secretary
5 Musick
Irvine, California 92618
(949) 900-6833**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

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Approximate date of commencement of proposed sale to the public: As soon as practicable after the effective date of this registration statement.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (check one)

Large Accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

CALCULATION OF REGISTRATION FEE

Title of each class of securities to be registered	Amount to be Registered(1)	Proposed Maximum Offering Price Per Security(2)	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock, par value \$0.01 per share	16,309,270	\$0.335	\$5,463,605.45	\$550.19
Common Stock, par value \$0.01 per share underlying the Series A Warrants	6,523,708	\$0.335	\$2,185,442.18	\$220.07
Common Stock, par value \$0.01 per share underlying the Series B Warrants	4,892,781	\$0.335	\$1,639,081.64	\$165.06
Common Stock, par value \$0.01 per share underlying the Placement Agent Warrants	1,630,920	\$0.335	\$546,358.20	\$55.02
Total	29,356,679	\$0.335	\$9,834,487.47	\$990.33

- (1) In the event of a stock split, reverse stock split, stock dividend or similar transaction involving our common stock, the number of shares registered shall automatically be adjusted to cover the additional shares of stock issuable pursuant to Rule 416 under the Securities Act of 1933, as amended.
- (2) Estimated solely for purposes of calculating the registration fee in accordance with Rule 457(c) under the Securities Act of 1933, as amended, using the average of the high and low prices as reported by OTC Markets on January 12, 2016, which was \$0.335 per share.

The Registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to Section 8(a), may determine.

The information contained in this prospectus is not complete and may be changed. The selling securityholders named in this prospectus may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell securities, and the selling securityholders are not soliciting offers to buy these securities, in any state where the offer or sale is not permitted.

PRELIMINARY PROSPECTUS

SUBJECT TO COMPLETION, DATED JANUARY 15, 2016



MRI Interventions, Inc.

29,356,679 Shares of Common Stock

This prospectus relates to 16,309,270 outstanding shares of our common stock, 6,523,708 shares of our common stock issuable upon the exercise of outstanding Series A Warrants, 4,892,781 shares of our common stock issuable upon the exercise of outstanding Series B Warrants and 1,630,920 shares of our common stock issuable upon the exercise of warrants issued to our placement agents, or the Placement Agent Warrants, held by some of our securityholders which are named in this prospectus. The securities we are registering are to be offered for the account of these selling securityholders. We will pay the expenses of registering the shares, but we are not selling any shares of common stock in this offering and therefore will not receive any proceeds from this offering. We will, however, receive the exercise price of the Series A Warrants, Series B Warrants and the Placement Agent Warrants, if and when such warrants are exercised for cash by the securityholders.

Our common stock is traded in the over-the-counter market and quoted on the OTCQB Venture Marketplace organized by the OTC Markets Group Inc. and the OTC Bulletin Board under the ticker symbol "MRIC." On January 12, 2016, the last reported sale price of our common stock was \$0.355 per share.

The shares included in this prospectus may be offered and sold directly by the securityholders in accordance with one or more of the methods described in the "Plan of Distribution," which begins on page 32 of this prospectus. To the extent the securityholders decide to sell their shares, we will not control or determine the price at which the shares are sold. Brokers or dealers effecting transactions in these shares should confirm that the shares are registered under applicable state law or that an exemption from registration is available.

We are an "emerging growth company" under the federal securities laws and will be subject to reduced public company reporting requirements. Investing in our common stock involves risk. See "Risk Factors" on page 6 to read about factors you should consider before buying shares of our common stock.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

Prospectus dated _____, 2016

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No dealer, salesperson or other person is authorized to give any information or to represent anything not contained in this prospectus. You must not rely on any unauthorized information or representations. This prospectus is an offer to sell only the shares of common stock offered hereby, but only under circumstances and in jurisdictions where it is lawful to do so. The information contained in this prospectus is current only as of its date.

Trademarks, Trade Names and Service Marks

ClearConnect[™], *ClearPoint*[®], *ClearTrace*[®], *MRI Interventions*[®], *SmartFlow*[®], *SmartFrame*[®] and *SmartGrid*[®] are trademarks of MRI Interventions, Inc. Any other trademarks, trade names or service marks referred to in this registration statement are the property of their respective owners. As used in this registration statement, Siemens refers to Siemens AG, Healthcare Sector, and its affiliates, Boston Scientific refers to Boston Scientific Corporation and its affiliates, and Brainlab refers to Brainlab AG.

Industry and Market Data

Market data and other statistical information contained in this registration statement are based on independent industry publications, government publications, reports by market research firms and other published independent sources. Some data is also based on our good faith estimates, which are derived from other relevant statistical information, as well as the independent sources listed above. Although we believe these sources are reliable, we have not independently verified the information.

PROSPECTUS SUMMARY

This summary highlights the information contained elsewhere in this prospectus. Because this is only a summary, it does not contain all of the information that may be important to you. Before investing in our common stock, you should read this entire prospectus, including the information set forth under the heading "Risk Factors" and the financial statements and the notes thereto.

Unless the context otherwise requires, references in this prospectus to "MRI Interventions," "we," "our," "us" and the "Company" refer to MRI Interventions, Inc.

Our Business

We are a medical device company that develops and commercializes innovative platforms for performing minimally invasive surgical procedures in the brain and heart under direct, intra-procedural magnetic resonance imaging, or MRI, guidance. For the year ended December 31, 2014, we recorded revenues of \$3,604,482 and incurred a net loss of \$4,524,732. For the nine months ended September 30, 2015, we recorded revenues of \$3,082,578 and incurred a net loss of \$7,250,811.

We have two product platforms. Our ClearPoint system, which is in commercial use in the United States, is used to perform minimally invasive surgical procedures in the brain. We anticipate that our ClearTrace system, which is a product candidate still in development, will be used to perform minimally invasive surgical procedures in the heart. Both systems utilize intra-procedural MRI to guide the procedures. Both systems are designed to work in a hospital's existing MRI suite.

Our products are designed to provide a new, minimally invasive surgical approach to address large patient populations for whom we believe traditional surgical techniques are deficient. Our ClearPoint system is a neuro-navigation system designed for placing catheters and electrodes to treat a variety of neurological diseases and conditions and for performing biopsies. Our ClearTrace system is designed to deliver catheter-based therapies to treat certain cardiac diseases. We believe that our two product platforms, subject to appropriate regulatory clearance and approval, will provide better patient outcomes, enhance revenue potential for both physicians and hospitals, and reduce costs to the healthcare system.

Our ClearPoint system is in commercial use. In June 2010, we received 510(k) clearance from the Food and Drug Administration, or FDA, to market our ClearPoint system in the United States for general neurological interventional procedures. In February 2011, we also obtained CE marking approval, which enables us to sell the ClearPoint system in the European Union. In April 2011, we entered into a co-development and distribution agreement with Brainlab, a leader in the image-guided surgery field, under which Brainlab serves as a distribution partner for our ClearPoint system. The ClearPoint system is intended to provide stereotactic guidance for the placement and operation of instruments or devices during planning and operation of neurological procedures within the MRI environment and in conjunction with MRI guidance. It is intended to be used as an integral part of procedures that have traditionally used stereotactic methodologies. Those procedures include placement of electrodes, such as deep brain stimulation leads and depth electrodes, the placement of catheters, such as laser ablation catheters and drug delivery catheters, and biopsies. ClearPoint systems are in clinical use with MRI scanners from the three major MRI scanner manufacturers, Siemens, GE Healthcare and Philips Healthcare, as well as the two major interventional MR/OR platforms that are manufactured by IMRIS, Inc. and Brainlab.

Our ClearTrace system, a product candidate still in development, is designed to allow catheter-based minimally invasive procedures in the heart to be performed using continuous, intra-procedural MRI guidance. In May 2009, we entered into an exclusive development agreement with Siemens under which initial work was performed related to the development of hardware and software needed for MRI-guided, catheter-based ablation procedures to treat cardiac arrhythmias. Working closely with us, Siemens created a research version of the software platform specifically for use in MRI-guided cardiac ablation procedures with our catheters. In February 2014, we entered into a new exclusive development agreement with Siemens, which replaced our May 2009 agreement. The new development agreement contemplates that, with cooperation, assistance and technical support from Siemens, we would develop the commercial version of the research software platform created by Siemens under our original agreement, which software would serve as the software component of our ClearTrace system. In 2015, we suspended our development activities on the ClearTrace system so that we could focus our resources on the

ClearPoint system, and we have not made any filings seeking regulatory clearance or approval for our ClearTrace system. We expect the initial market for our ClearTrace system will be the European Union.

Our Business Model and Strategy

Our key objective is to commercialize medical systems to enable minimally invasive surgical procedures to be performed under direct, intra-procedural MRI guidance. Key elements to achieve this objective are:

- growing the installed base for our ClearPoint system;
- increasing utilization of our ClearPoint system; and
- building upon our core technologies to continue to develop MRI-based products.

Our business model for the ClearPoint system is focused on producing high margin revenue from sales of the disposable components. Given that focus on disposable product sales, we sell our reusable components at lower margins in order to secure installations of our system within hospitals. In addition, we may make the reusable ClearPoint components available to a hospital by loaning the equipment under our ClearPoint placement program. Our disposable and reusable ClearPoint products are tightly integrated, which allows us to leverage each new installation of a system to generate recurring sales of our disposable products.

Risks Related to Our Business

We are subject to a number of risks of which you should be aware before you decide to buy our common stock. These risks are discussed more fully in the “Risk Factors” section of this prospectus beginning on page 6 and should be read in their entirety. In general, we face risks associated with the following:

- the sufficiency of our cash resources to maintain planned commercialization efforts and research and development programs;
- our ability to achieve broader market acceptance of our products;
- our ability to expand, manage and maintain our marketing and sales capabilities;
- our dependence on a relatively small number of customers;
- product quality and patient safety issues, which could lead to product recalls, withdrawals, launch delays, sanctions, seizures, litigation, or declining sales;
- our dependence on collaboration relationships and licensing arrangements;
- individual, group or class action alleging products liability claims;
- legislation, regulation and other governmental pressures in the United States or globally, which may affect pricing, reimbursement, taxation and rebate policies of government agencies and private payors or other elements of our business;
- future actions of the FDA or any other regulatory body or government authority that could delay, limit or suspend product manufacturing, sale or development, or result in seizures, injunctions, monetary sanctions or criminal or civil liabilities;
- our ability to successfully complete the development of, and to obtain regulatory clearance or approval for, future products, including our ClearTrace system;
- our ability to identify business development and growth opportunities for current or future products;

- our ability to enforce our patent rights or patents of third parties preventing or restricting the manufacture, sale or use of affected products or technology; and
- any impact of the commercial and credit environment on us and our customers and suppliers.

Recent Developments

December 2015 PIPE Financing

In December 2015, we raised approximately \$5,294,000, before commissions and offering expenses, from the sale of 16,309,270 shares of our common stock, Series A Warrants to purchase 6,523,708 shares of our common stock and Series B Warrants to purchase 4,892,781 shares of our common stock to various investors in a private placement, or the December 2015 PIPE financing. Both the Series A Warrants and Series B Warrants we issued to the investors, or the investor warrants, have a term of five years from the date of issuance. The Series A Warrants have an exercise price of \$0.4058 per share and the Series B Warrants have an exercise price of \$0.5275 per share. Our placement agents for the financing, together with the sub-agents it engaged, collectively received Placement Agent Warrants to purchase up to 1,630,920 shares of our common stock. The Placement Agent Warrants have the same exercise price and substantially the same terms and conditions as the Series A Warrants, except that the Placement Agent Warrants have a term of seven and one-half years. The placement agents also earned aggregate commissions of approximately \$380,000 from the December 2015 PIPE financing.

The registration statement of which this prospectus is a part is being filed pursuant to the registration rights agreement with the investors in the December 2015 PIPE financing, under which we agreed to undertake to file a resale registration statement with respect to the shares of our common stock we issued in the December 2015 PIPE financing and the shares of our common stock underlying the investor warrants and the placement agent warrants.

Corporate Information

We were incorporated in Delaware in 1998 under the name Surgi-Vision, Inc. On November 12, 2008, we changed our name to SurgiVision, Inc. On May 13, 2011, we changed our name to MRI Interventions, Inc. We operate in only one business segment. Our principal executive office and our principal operations are located at 5 Musick, Irvine, CA 92618, and our telephone number is (949) 900-6833. Our website address is www.mriinterventions.com. We do not incorporate the information on our website into this prospectus, and you should not consider it part of this prospectus.

Summary of the Offering

This offering involves 16,309,270 shares of our common stock issued or issuable to the selling securityholders, 6,523,708 shares of our common stock issuable upon exercise of the Series A Warrants, 4,892,781 shares of our common stock issuable upon exercise of the Series B Warrants and 1,630,920 shares of our common stock issuable upon exercise of the Placement Agent Warrants.

Common stock offered by the selling securityholders	29,356,679 shares (1)
Common stock outstanding prior to this offering	75,072,218 shares (2)
Common stock to be outstanding after the offering, assuming the exercise of all warrants for the shares covered by this prospectus	102,797,977 shares (3)
Trading symbol	MRIC
Risk Factors	An investment in our common stock involves significant risks. See “Risk Factors” beginning on page 6.

(1) Includes 6,523,708 shares of common stock issuable upon exercise of outstanding Series A Warrants, at an exercise price of \$0.4058 per share, 4,892,781 shares of common stock issuable upon exercise of outstanding Series B Warrants, at an exercise price of \$0.5275 per share and 1,630,920 shares of common stock issuable upon exercise of outstanding Placement Agent Warrants, at an exercise price of \$0.4058 per share.

(2) Based on the number of shares outstanding as of December 31, 2015, and excluding:

- 8,471,309 shares of common stock issuable upon exercise of options issued under our stock option plans, at a weighted average exercise price of \$1.17 per share;
- 3,450,000 shares of common stock issuable upon the exercise of options not issued under our stock option plans, at a weighted average exercise price of \$1.12 per share;
- 20,768,692 shares of common stock issuable upon exercise of warrants, at a weighted average exercise price of \$0.78 per share; and
- 3,390,647 shares of common stock reserved for future issuance under our Amended and Restated 2013 Incentive Compensation Plan.

(3) Based on the number of shares outstanding as of December 31, 2015, and excluding:

- 8,471,309 shares of common stock issuable upon exercise of options issued under our stock option plans, at a weighted average exercise price of \$1.29 per share;
- 3,450,000 shares of common stock issuable upon the exercise of options not issued under our stock option plans, at a weighted average exercise price of \$1.12 per share;
- 20,768,692 shares of common stock issuable upon exercise of warrants, at a weighted average exercise price of \$0.78 per share; and
- 3,390,647 shares of common stock reserved for future issuance under our Amended and Restated 2013 Incentive Compensation Plan.

Summary Financial Information

The summary financial information below should be read in conjunction with “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and the financial statements, notes thereto and other financial information included elsewhere in this prospectus. The summary financial information for the fiscal years ended December 31, 2014 and 2013 has been derived from our audited financial statements and the notes thereto included elsewhere in this prospectus. The summary financial information as of and for the nine months ended September 30, 2015 and 2014 has been derived from our unaudited financial statements and the notes thereto included elsewhere in this prospectus and includes, in the opinion of management, all adjustments, consisting only of normal recurring accruals, necessary to present fairly the information for such periods. Operating results for the nine months ended September 30, 2015 are not necessarily indicative of the results that may be expected for the entire fiscal year. Our historical results are not necessarily indicative of our results to be expected in any future period.

(in thousands except for share and per share amounts)	Nine Months Ended September 30,		Years Ended December 31,	
	2015	2014	2014	2013
Statements of Operations Data:				
Product revenues	\$ 2,963	\$ 2,456	\$ 3,379	\$ 2,915
Development and service revenues	120	189	225	366
License revenues	-	-	-	650
Total revenues	<u>3,083</u>	<u>2,645</u>	<u>3,604</u>	<u>3,931</u>
Costs and operating expenses:				
Cost of product revenues	1,341	1,243	1,927	1,421
Research and development	1,435	2,590	3,297	2,923
Selling, general and administrative	6,609	5,792	8,040	7,061
Gain on sale of intellectual property	-	(4,339)	(4,339)	-
Restructuring	1,252	-	-	-
Operating loss	<u>(7,554)</u>	<u>(2,641)</u>	<u>(5,321)</u>	<u>(7,474)</u>
Other income (expense):				
Gain on change in fair value of derivative liability	981	578	1,550	1,686
Other income (expense), net	243	168	253	(823)
Interest income (expense), net	(921)	(715)	(1,007)	(475)
Net loss	<u>\$ (7,251)</u>	<u>\$ (2,610)</u>	<u>\$ (4,525)</u>	<u>\$ (7,086)</u>
Net loss per share (basic and diluted)	<u>\$ (0.10)</u>	<u>\$ (0.04)</u>	<u>\$ (0.08)</u>	<u>\$ (0.12)</u>
Weighted average shares outstanding (basic and diluted)	<u>74,878,962</u>	<u>58,864,305</u>	<u>59,240,848</u>	<u>57,261,713</u>

The following table presents highlights from our balance sheets as of September 30, 2015 and December 31, 2014:

(amounts in thousands)	September 30, 2015	December 31, 2014
Balance Sheet Data:		
Cash and cash equivalents	\$ 1,852	\$ 9,244
Accounts receivable	837	469
Inventory, net	1,803	1,965
Other current assets	133	29
Property, equipment and software license inventory	1,415	1,393
Other non-current assets	233	286
Total assets	6,273	13,386
Accounts payable and accrued liabilities	2,191	2,618
Derivative liabilities	1,217	2,198
Current portion of note payable, net of unamortized discount	4171	-
Other current liabilities	166	103
Notes payable, net of unamortized discounts	3,825	7,691
Other non-current liabilities	525	876
Common stock and additional paid-in capital	78,706	77,177
Accumulated deficit	(84,528)	(77,277)
Total liabilities and stockholders’ deficit	6,273	13,386

RISK FACTORS

Any investment in our common stock involves a high degree of risk. You should consider carefully the risks and uncertainties described below and all information contained in this prospectus before you decide whether to purchase our common stock. If any of the following risks actually occurs, our business, results of operations and financial condition could be materially adversely affected, the trading price of our common stock could decline significantly, and you might lose all or part or all of your investment. Additional risks and uncertainties of which we are unaware or that we believe are not material at this time could also materially adversely affect our business, results of operations or financial condition. In any case, the value of our securities could decline, and you could lose all or part of your investment.

Risks Related to Funding

In the next twelve months we likely will need additional funding for our business. We may not be able to raise capital when needed or on terms that are acceptable to us, which could force us to delay, reduce or eliminate our commercialization efforts or our product development programs.

The cumulative net loss from our inception through September 30, 2015 was \$84.5 million. Net cash used in operations was \$7.3 million for each of the nine months ended September 30, 2015 and the year ended December 31, 2014. Since inception, we have financed our operations principally from the sale of equity securities, the issuance of notes payable and license arrangements. Recent such financing activities consist of (i) a December 2015 equity private placement, which resulted in net proceeds of \$4.8 million; (ii) a December 2014 equity private placement, which resulted in net proceeds of \$9.4 million; and (iii) a March 2014 private placement of debt and warrants, which resulted in net proceeds of \$3.5 million. In addition, in March 2014, we completed a transaction with Boston Scientific that resulted in the cancellation of \$4.3 million in related party convertible notes payable held by Boston Scientific which were scheduled to mature in 2014.

Our plans for the next twelve months reflect our anticipation of increases in revenues from sales of the ClearPoint system and related disposable products as a result of greater utilization at existing installed sites and the installation of the ClearPoint system at new sites. We also anticipate maintaining recurring operating expenses at historical levels, with expected decreases in general and administrative expenses, resulting primarily from the operational restructuring discussed in Note 4 to the September 30, 2015 condensed consolidated financial statements included elsewhere in this proxy, being offset by increases in selling and marketing expenses associated with the anticipated growth in revenues. However, there is no assurance that we will be able to achieve anticipated results, and even in the event such results are achieved, we expect to continue to consume cash in operations over at least the next twelve months. In addition, as discussed in Note 6 of such condensed consolidated financial statements, the Brainlab Note matures in April 2016, with both principal of \$4.3 million and accrued interest of \$740,000 at the maturity date payable in a single installment upon maturity.

As a result of the foregoing, we believe it will be necessary to seek additional sources of funds from the sale of equity or debt securities, which likely would result in dilution to your ownership interest, or from the establishment of a credit facility. There is no assurance, however, that we will be able to obtain such additional financing on commercially reasonable terms, if at all, and there is no assurance that any additional financing we do obtain will be sufficient to meet our needs. If we are not able to obtain the additional financing on a timely basis, we may be unable to achieve anticipated results, and may not be able to meet other obligations as they become due. An inability to obtain a sufficient amount of additional funding would create substantial doubt as to our ability to continue as a going concern.

The funding requirements for our business will depend on many factors, including:

- the timing of broader market acceptance and adoption of our ClearPoint system products;

- the scope, rate of progress and cost of our ongoing product development activities relating to our ClearPoint system;
- the cost and timing of expanding our sales, clinical support, marketing and distribution capabilities and other corporate infrastructure;
- the cost and timing of establishing inventories at levels sufficient to support our sales;
- the scope, rate of progress and cost of our research and development activities relating to our ClearTrace system;
- the effect of competing technological and market developments;
- the terms and timing of any future collaborative, licensing or other arrangements that we may establish;
- the cost and timing of any clinical trials;
- the cost and timing of regulatory filings, clearances and approvals; and
- the cost of filing, prosecuting, defending and enforcing any patent claims and other intellectual property rights.

Raising additional funds may cause dilution to existing stockholders, restrict our operations or require us to relinquish proprietary rights.

To the extent we raise additional capital through the sale of equity or convertible debt securities, your ownership interest will be diluted, and the terms may include liquidation or other preferences that adversely affect your rights as a stockholder. Debt financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions such as incurring additional debt, making capital expenditures or declaring dividends. If we secure additional funds through arrangements with a strategic or other collaboration partner, we may have to relinquish valuable rights to our technologies, products or product candidates or grant licenses on terms that are not favorable to us. Any of these events could adversely affect our ability to achieve our commercialization and/or product development goals and have a material adverse effect on our business, financial condition, results of operations and prospects.

Risks Related to Our Business

We have incurred losses since our inception and we may continue to incur losses. If we fail to generate significant revenue from sales of our products, we may never achieve or sustain profitability.

As of September 30, 2015, we had an accumulated deficit of approximately \$84.5 million. The accumulated deficit has resulted principally from costs incurred in connection with our sales and marketing activities, research and development efforts and manufacturing activities and other general and administrative expenses associated with our operations. We have incurred losses in each year since our inception in 1998, and we may continue to incur losses as we continue to invest capital in the sales and marketing of our ClearPoint products, development of our ClearTrace system and growth of our business generally.

As a result of the numerous risks and uncertainties associated with developing medical devices, we are unable to predict the extent of any future losses or when we will become profitable, if at all. Our profitability will depend on revenues from the sale of our products. We cannot provide any assurance that we will ever achieve profitability and, even if we achieve profitability, that we will be able to sustain or increase profitability on a quarterly or annual basis. Further, because of our relatively limited commercialization history, we have limited insight into the trends that may emerge and affect our business. We may make errors in predicting and reacting to relevant business trends, which could harm our business and financial condition. Any failure to achieve and maintain profitability would continue to have an adverse effect on our stockholders' deficit and working capital and could result in a decline in our stock price or cause us to cease operations.

Our ClearPoint system may not achieve broad market acceptance or be commercially successful.

We expect that sales of our ClearPoint system products will account for the majority of our revenues for at least the next few years. Our ClearPoint system may not gain broad market acceptance unless we continue to convince physicians, hospitals and patients of its benefits. Moreover, even if physicians and hospitals understand the benefits of our ClearPoint system, they still may elect not to use our ClearPoint system for a variety of reasons, such as:

- the shift in location of the procedure from the operating room to the MRI suite;
- demand for the MRI suite within the hospital, which may result in limited or no MRI scanner availability for procedures in which our ClearPoint system would be used;
- the familiarity of the physician with other devices and surgical approaches;
- the physician's perception that there are insufficient benefits of our ClearPoint system relative to those other devices and surgical approaches;
- budgetary constraints with respect to the purchase of our ClearPoint system hardware and software;
- the price of our ClearPoint system disposable products, which may be higher than devices used with other surgical approaches; and
- the physician's perception that there is a lack of clinical data on the use of our ClearPoint system.

If physicians and hospitals do not perceive our ClearPoint system as an attractive alternative to other products and procedures, we will not achieve significant market penetration or be able to generate significant revenues. To the extent that our ClearPoint system is not commercially successful or is withdrawn from the market for any reason, our revenues will be adversely impacted, and our business, operating results and financial condition will be harmed.

We have relatively limited experience marketing and selling our ClearPoint system, and if we are unable to expand, manage and maintain our marketing and sales capabilities, we may be unable to generate significant growth in our product revenues.

We started selling our ClearPoint system on a limited basis in August 2010, and we did not begin to meaningfully expand our sales and clinical support capabilities until 2013. As a result, we have relatively limited experience marketing and selling our ClearPoint system. Our operating results are directly dependent upon the marketing and sales efforts of our employees. If our team fails to adequately promote, market and sell our products, our sales will suffer.

We expect to continue building our team to market, sell and support our ClearPoint system products in the United States. That effort, though, could take longer than we anticipate, in which case our commercialization efforts would be negatively impacted. Our ability to achieve significant revenue growth will depend, in large part, on our success in recruiting, training, motivating and retaining a sufficient number of qualified personnel. New hires require significant training and, in most cases, take significant time before they achieve full productivity. Our recent hires and planned hires may not become as productive as we expect, and we may be unable to hire or retain sufficient numbers of qualified individuals, in which case our business would be harmed.

We have entered into a co-development and distribution agreement with Brainlab pursuant to which, among other things, we appointed Brainlab as a distributor of our ClearPoint system products in the United States and Europe. However, there is no assurance that Brainlab will be successful in marketing and selling our ClearPoint system products. In addition, under our agreement, Brainlab is not subject to any minimum sales or other performance requirements. Therefore, we may not realize the desired benefits from our agreement with Brainlab. To date, we have not generated significant revenues from our distribution relationship with Brainlab.

The existence of adequate coverage and reimbursement is important for sales of our products. If hospitals and physicians believe coverage and reimbursement from third-party payors for procedures utilizing our ClearPoint system products are inadequate, adoption of our products will be adversely affected and our revenues and prospects for profitability will suffer.

Our ClearPoint system products are purchased primarily by hospitals, which bill various third-party payors, including governmental healthcare programs, such as Medicare, and private insurance plans, for procedures in which our ClearPoint system is used. Reimbursement is a significant factor considered by hospitals in determining whether to acquire and utilize medical devices such as our ClearPoint system products. Therefore, our ability to successfully commercialize our ClearPoint system depends significantly on the adequacy of coverage and reimbursement from these third-party payors. In the United States, coverage and reimbursement varies among payors.

Medicare pays hospitals a prospectively determined amount for inpatient operating costs. The prospective payment for a patient's stay is determined by the patient's condition and other patient data and procedures performed during the inpatient stay using a classification system known as Medicare Severity Diagnosis Related Groups, or MS-DRGs. Medicare pays a fixed amount to the hospital based on the MS-DRG into which the patient's stay is assigned, regardless of the actual cost to the hospital of furnishing the procedures, items and services provided. Therefore, a hospital must absorb the cost of our products as part of the payment it receives for the procedure in which the products are used. In addition, physicians that perform procedures in hospitals are paid a set amount by Medicare for performing such services under the Medicare physician fee schedule. Medicare payment rates for both systems are established annually.

For commercial payors, reimbursement to hospitals and physicians generally is dependent upon the specific contract terms between the provider and the payor. Many commercial payors look to Medicare policies as a guideline in setting their coverage policies and payment amounts. However, the current coverage policies of these commercial payors may differ from the Medicare program, and the payment rates they make may be higher, lower or the same as the Medicare program. If Medicare reimbursement payments for hospitals and physicians are decreased or limited, coverage and reimbursement determinations by many commercial payors may be affected.

Because hospitals are reimbursed for the procedures in which our ClearPoint system products are used and our products are not separately reimbursed, the additional cost associated with the use of our products could impact hospital profit margins. Some hospitals could believe third-party reimbursement levels are not adequate to cover the cost of our ClearPoint system products. Furthermore, some physicians could believe third-party reimbursement levels are not adequate to compensate them for performing the procedures in which our products are used. Failure by hospitals and physicians to receive an amount that they consider to be adequate reimbursement for procedures in which our products are used will deter them from purchasing or using our products and will limit our sales growth.

Federal legislation and other payment and policy changes may have a material adverse effect on our business.

The Patient Protection and Affordable Care Act, as amended by the Health Care and Education Reconciliation Act of 2010, or, together, the Affordable Care Act, includes a number of provisions that should result in increased coordination between hospitals and physicians and alignment of financial incentives between hospitals and physicians to control hospital costs. Most significantly, the Affordable Care Act provides for a Medicare shared savings program whereby Medicare will share certain savings realized in the delivery of services to Medicare beneficiaries with accountable care organizations, which may be organized through various different legal structures between hospitals and physicians. Other payment reform provisions in the Affordable Care Act include pay-for-performance initiatives, payment bundling and the establishment of an independent payment advisory board. We expect that the overall result of such payment reform efforts and the increased coordination among hospitals and physicians will be voluntary reductions in the array of choices currently available to physicians with respect to diagnostic services, medical supplies and equipment. Such a reduction in physician choices may also result in hospitals reducing the overall number of vendors from which they purchase supplies, equipment and products. The Affordable Care Act could limit the acceptance and availability of our products, which would have an adverse effect on our financial results and business.

On April 16, 2015, President Obama signed into law, the Medicare Access and CHIP Reauthorization Act, or the Medicare Access Act, which removed the sustainable growth rate or SGR, methodology applicable to fees for physician services. The Medicare Access Act provides for a transition from the fee-for-service payment system to a more value-based system. In this process, reimbursements from the Medicare program may be reduced. As noted above, failure by hospitals and physicians to receive an amount that they consider to be adequate reimbursement for procedures in which our products are used will deter them from purchasing or using our products and will limit our sales growth.

Various healthcare reform proposals have also emerged at the state level. We cannot predict what healthcare initiatives will be implemented at the federal or state level, or the effect any recently promulgated or future legislation or regulation will have on us. However, an expansion in government's role in the United States healthcare industry may lower reimbursements for our products, reduce medical procedure volumes and adversely affect our business, possibly materially.

If there are changes in coverage or reimbursement from third-party payors, our revenues and prospects for profitability could suffer.

In the United States, we believe that existing billing codes apply to procedures in which physicians use our ClearPoint system. Reimbursement levels for procedures using our ClearPoint system or any product that we may market in the future could be decreased or eliminated as a result of recent or future legislation, regulation or reimbursement policies of third-party payors. Any such decrease or elimination would adversely affect the demand for our products and our ability to sell our products on a profitable basis. Furthermore, if procedures using our ClearPoint system gain market acceptance and the number of these procedures increases, the Centers for Medicare and Medicaid Services, or CMS, the federal agency that administers the Medicare Program, as well as other public or private payors, may establish new billing codes for those procedures that provide for a lower reimbursement amount than traditional approaches, which would adversely affect our financial results and business.

Among other things, the Affordable Care Act will ultimately increase the overall pool of persons with access to health insurance in the United States, at least in those states that expand their Medicaid programs. Although such an increase in covered lives should ultimately benefit hospitals, the Affordable Care Act also includes a number of cuts in Medicare reimbursement to hospitals that may take effect prior to the time hospitals realize the financial benefit of a larger pool of insured persons. Those cuts in Medicare reimbursement, together with any additional cuts in Medicare reimbursement stemming from the Medicare Access Act, could adversely impact the operations and finances of hospitals, reducing their ability to purchase medical devices, such as our products.

If third-party payors deny coverage or reimbursement for procedures using our ClearPoint system, our revenues and prospects for profitability will suffer.

Notwithstanding the ClearPoint system's regulatory clearance in the United States, third-party payors may deny coverage or reimbursement if the payor determines that the use of our ClearPoint system is unnecessary, inappropriate, experimental or not cost-effective, or that the ClearPoint system is used for a non-cleared indication. In addition, no uniform policy of coverage and reimbursement for medical technology exists among third-party payors. Therefore, coverage and reimbursement for medical technology can differ significantly from payor to payor. Any denial of coverage or reimbursement for procedures using our ClearPoint system could have an adverse effect on our business, financial results and prospects for profitability.

We currently have significant customer concentration, so economic difficulties or changes in the purchasing policies or patterns of our key customers could have a significant impact on our business and operating results.

A small number of our hospital customers account for a substantial portion of our revenues from sales of ClearPoint disposable products. For example, our largest customer for the nine months ended September 30, 2015, Emory University Hospital, or Emory, accounted for 13% of our ClearPoint product revenues. Likewise, Emory accounted for 12% of our ClearPoint product revenues for the year ended December 31, 2014. The University of California, San Francisco Medical Center, or UCSF, accounted for 8% and 14% of our ClearPoint product revenues for the nine months ended September 30, 2015 and the year ended December 31, 2014, respectively. Sales to almost

all of our customers, including Emory and UCSF, are not based on long-term, committed volume purchase contracts, and we may not continue to generate a similar level of revenues from Emory, UCSF, or any other customer. Because of our current customer concentration, our revenues could fluctuate, possibly significantly, due to a reduction or delay in orders from any of our significant customers, which could harm our business and results of operations.

We have limited internal manufacturing resources, and if we are unable to provide an adequate supply of our ClearPoint disposable products, our growth could be limited and our business could be harmed.

Final assembly of many of our ClearPoint disposable components occurs at our Irvine, California facility. If our facility experiences a disruption, we would have no other means of assembling those components until we are able to restore the manufacturing capability at our current facility or develop the same capability at an alternative facility.

In connection with the continued commercialization of our ClearPoint system, we expect that we will need to increase, or “scale up,” the production process of our disposable components over the current level of production. While we have taken steps in anticipation of growth, manufacturers often encounter difficulties in scaling up production, such as problems involving yields, quality control and assurance, and shortages of qualified personnel. If the scaled-up production process is not efficient or produces a product that does not meet quality and other standards, we may be unable to meet market demand and our revenues, business and financial prospects would be adversely affected.

Our reliance on single-source suppliers could harm our ability to meet demand for our ClearPoint system in a timely manner or within budget.

Many of the components and component assemblies of our ClearPoint system are provided to us by single-source suppliers. We generally purchase components and component assemblies through purchase orders rather than long-term supply agreements and generally do not maintain large volumes of inventory. While alternative suppliers exist and have been identified for substantially all components, the disruption or termination of the supply of components and component assemblies could cause a significant increase in the cost of these components, which could affect our operating results. Our dependence on a limited number of third-party suppliers and the challenges we may face in obtaining adequate supplies involve several risks, including limited control over pricing, availability, quality and delivery schedules. A disruption or termination in the supply of components could also result in our inability to meet demand for our ClearPoint system, which could harm our ability to generate revenues, lead to customer dissatisfaction and damage our reputation. Furthermore, if we are required to change the supplier of a key component or component assembly of our ClearPoint system, we may be required to verify that the new supplier maintains facilities and procedures that comply with quality standards and with all applicable regulations and guidelines. The delays associated with the verification of a new supplier could also adversely affect our ability to meet demand for our ClearPoint system.

Our ClearTrace system remains a product candidate in development. We cannot be certain that we will be able to successfully complete development of, and obtain regulatory clearances or approvals for, our ClearTrace system in a timely fashion, or at all.

Our ClearTrace system is a product candidate still in development, and, to date, we have conducted only animal studies and other preclinical work with respect to that product candidate. Our ClearTrace system will require substantial additional development and testing, and at present, we are focusing most of our efforts and resources on the commercialization of our ClearPoint system. There can be no assurance that our development efforts will be successfully completed or that the ClearTrace system will have the capabilities we expect. We may encounter significant difficulties and costs during the course of our development efforts and we may encounter significant delays. Even if we successfully complete development of our ClearTrace system, there can be no assurance that we will obtain the regulatory clearances or approvals to market and commercialize it. If we are unable to obtain regulatory clearances or approvals for our ClearTrace system, or otherwise experience delays in obtaining such regulatory clearances or approvals, the commercialization of the ClearTrace system will be delayed or prevented, which will adversely affect our ability to generate revenues. Even if cleared or approved, the ClearTrace system may not be cleared or approved for the indications that are necessary or desirable for successful commercialization.

Delays in developing our ClearTrace system or obtaining regulatory clearances or approvals may also result in the loss of potential competitive advantages that might otherwise be attained by bringing products to market earlier than our competitors. Any of these contingencies could adversely affect our business.

In the United States, unless an exemption applies, we cannot market a new medical device without first receiving either premarket notification, or 510(k) clearance, or approval of a premarket approval application, or PMA, from the Food and Drug Administration, or FDA. In the 510(k) clearance process, the FDA must determine that a proposed device is “substantially equivalent” to a device legally on the market, known as a “predicate” device, with respect to intended use, technology, safety and effectiveness, in order to clear the proposed device for marketing. Clinical data is sometimes required to support substantial equivalence. The 510(k) clearance process generally takes three to twelve months from submission, but can take significantly longer. The process of obtaining PMA approval is much more costly and uncertain than the 510(k) clearance process. The PMA approval process can be lengthy and expensive and requires an applicant to demonstrate the safety and effectiveness of the device based, in part, on data obtained in clinical trials. The PMA process generally takes one to three years, or even longer, from the time the PMA application is submitted to the FDA until an approval is obtained.

Outside the United States, the regulatory approval process varies among jurisdictions and can involve substantial additional testing. Clearance or approval by the FDA does not ensure clearance or approval by regulatory authorities in other jurisdictions, and clearance or approval by one foreign regulatory authority does not ensure clearance or approval by regulatory authorities in other foreign jurisdictions. The foreign regulatory approval process may include all of the risks associated with obtaining FDA clearance or approval in addition to other risks. In addition, the time required to obtain foreign clearance or approval may differ from that required to obtain FDA clearance or approval and we may not obtain foreign regulatory clearances or approvals on a timely basis, if at all.

We anticipate that the initial market for our ClearTrace system will be the European Union and, at the appropriate time, we expect to seek CE marking approval for the ClearTrace system. The ClearTrace system consists of several components, one or more of which may require the submission of a PMA in the United States.

Our business will be subject to economic, political, regulatory and other risks associated with international operations.

At present, our commercialization activities for our ClearPoint system are focused in the United States. However, we do have CE marking approval to market our ClearPoint system in the European Union. In addition, we ultimately intend to market our ClearPoint system in other foreign jurisdictions as well. There are a number of risks associated with conducting business internationally, including:

- differences in treatment protocols and methods across the markets in which we expect to market our ClearPoint system;
- requirements necessary to obtain product reimbursement;
- product reimbursement or price controls imposed by foreign governments;
- difficulties in compliance with foreign laws and regulations;
- changes in foreign regulations and customs;
- changes in a specific country’s or region’s political or economic environment;
- trade protection measures, import or export licensing requirements or other restrictive actions by U.S. or foreign governments; and
- negative consequences from changes in tax laws.

Any of these risks could adversely affect our financial results and our ability to operate outside the United States, which could harm our business.

To the extent we seek a new indication for use of, or new claims for, our ClearPoint system, the FDA may not grant 510(k) clearance or PMA approval of such new use or claims, which may affect our ability to grow our business.

We received 510(k) clearance to market our ClearPoint system for use in general neurological interventional procedures. We could seek to obtain additional, more specific indications for use of our ClearPoint system beyond the general neurological intervention claim. To the extent we seek expanded claims for our ClearPoint system, such claims could, depending on their nature, require 510(k) clearance or FDA approval of a PMA. Moreover, some specific ClearPoint system claims could require clinical trials to support regulatory clearance or approval. In the event we seek a new indication for use of, or new claims for, the ClearPoint system that we believe are necessary or desirable for successful commercialization, the FDA may refuse our requests for 510(k) clearance or PMA approval. Likewise, to the extent clinical trials are necessary, we may not successfully complete or have the funds to initiate such clinical trials.

Clinical trials necessary to support 510(k) clearance or PMA approval for our ClearTrace system or any new indications for use for our ClearPoint system would be expensive and could require the enrollment of large numbers of suitable patients, who could be difficult to identify and recruit. Delays or failures in any necessary clinical trials would prevent us from commercializing any modified product or new product candidate and could adversely affect our business, operating results and prospects.

Initiating and completing clinical trials necessary to support 510(k) clearance or PMA approval for our ClearTrace system or any other product candidates that we may develop, or additional safety and efficacy data that the FDA may require for 510(k) clearance or PMA approval for any new specific indications of our ClearPoint system that we may seek, would be time consuming and expensive with an uncertain outcome. Moreover, the results of early clinical trials are not necessarily predictive of future results, and any product candidate we advance into clinical trials may not have favorable results in later clinical trials.

Conducting successful clinical trials could require the enrollment of large numbers of patients, and suitable patients could be difficult to identify and recruit. Patient enrollment in clinical trials and completion of patient participation and follow-up depends on many factors, including the size of the patient population, the nature of the trial protocol, the attractiveness of, or the discomforts and risks associated with, the treatments received by enrolled subjects, the availability of appropriate clinical trial investigators and support staff, the proximity to clinical sites of patients that are able to comply with the eligibility and exclusion criteria for participation in the clinical trial, and patient compliance. For example, patients could be discouraged from enrolling in our clinical trials if the trial protocol requires them to undergo extensive post-treatment procedures or follow-up to assess the safety and effectiveness of our product candidates or if they determine that the treatments received under the trial protocols are not attractive or involve unacceptable risks or discomforts. In addition, patients participating in clinical trials may die before completion of the trial or suffer adverse medical events unrelated to our product candidates.

Development of sufficient and appropriate clinical protocols to demonstrate safety and efficacy will be required and we may not adequately develop such protocols to support clearance or approval. Further, the FDA could require us to submit data on a greater number of patients than we originally anticipated and/or for a longer follow-up period or change the data collection requirements or data analysis applicable to our clinical trials. Delays in patient enrollment or failure of patients to continue to participate in a clinical trial could cause an increase in costs and delays in the approval and attempted commercialization of our product candidates or result in the failure of the clinical trial. Such increased costs and delays or failures could adversely affect our business, operating results and prospects.

The results of our clinical trials may not support our product candidate claims or any additional claims we may seek for our products and may result in the discovery of adverse side effects.

Even if any clinical trial that we need to undertake is completed as planned, we cannot be certain that its results will support our product candidate claims or any new indications that we may seek for our products or that the FDA or foreign authorities will agree with our conclusions regarding the results of those trials. The clinical trial process may fail to demonstrate that our products or a product candidate is safe and effective for the proposed indicated use, which could cause us to stop seeking additional clearances or approvals for our ClearPoint system,

abandon our ClearTrace system or delay development of other product candidates. Any delay or termination of our clinical trials will delay the filing of our regulatory submissions and, ultimately, our ability to commercialize a product candidate. It is also possible that patients enrolled in clinical trials will experience adverse side effects that are not currently part of the product candidate's profile.

The markets for medical devices are highly competitive, and we may not be able to compete effectively against the larger, well-established companies in our markets or emerging and small innovative companies that may seek to obtain or increase their share of the market.

We will face competition from products and techniques already in existence in the marketplace. The markets for the ClearPoint system and the ClearTrace system are intensely competitive, and many of our competitors are much larger and have substantially more financial and human resources than we do. Many have long histories and strong reputations within the industry, and a relatively small number of companies dominate these markets. Examples of such large, well-known companies include Medtronic, plc, St. Jude Medical Inc. and Biosense Webster Inc., a division of Johnson & Johnson.

These companies enjoy significant competitive advantages over us, including:

- broad product offerings, which address the needs of physicians and hospitals in a wide range of procedures;
- greater experience in, and resources for, launching, marketing, distributing and selling products, including strong sales forces and established distribution networks;
- existing relationships with physicians and hospitals;
- more extensive intellectual property portfolios and resources for patent protection;
- greater financial and other resources for product research and development;
- greater experience in obtaining and maintaining FDA and other regulatory clearances or approvals for products and product enhancements;
- established manufacturing operations and contract manufacturing relationships; and
- significantly greater name recognition and more recognizable trademarks.

We may not succeed in overcoming the competitive advantages of these large and established companies. Smaller or early-stage companies may also prove to be significant competitors, particularly through collaborative arrangements with large and established companies. These companies may introduce products that compete effectively against our products in terms of performance, price or both.

We could become subject to product liability claims that could be expensive, divert management's attention and harm our business.

Our business exposes us to potential product liability risks that are inherent in the manufacturing, marketing and sale of medical devices. We may be held liable if our products cause injury or death or are found otherwise unsuitable or defective during usage. Our ClearPoint system and our ClearTrace system each incorporates mechanical and electrical parts, complex computer software and other sophisticated components, any of which can have defective or inferior parts or contain defects, errors or failures. Complex computer software is particularly vulnerable to errors and failures, especially when first introduced.

Because our ClearPoint system and our ClearTrace system are each designed to be used to perform complex surgical procedures, defects could result in a number of complications, some of which could be serious and could harm or kill patients. The adverse publicity resulting from any of these events could cause physicians or hospitals to review and potentially terminate their relationships with us.

The medical device industry has historically been subject to extensive litigation over product liability claims. A product liability claim, regardless of its merit or eventual outcome, could result in significant legal defense costs. Although we maintain product liability insurance that we believe is appropriate, this insurance coverage is subject to deductibles and coverage limitations, and may not be adequate to protect us against any future product liability claims. Additionally, we may be unable to maintain our existing product liability insurance in the future at satisfactory rates or in adequate amounts. A product liability claim, regardless of its merit or eventual outcome, could result in:

- decreased demand for our products;
- injury to our reputation;
- diversion of management's attention;
- significant costs of related litigation;
- payment of substantial monetary awards by us;
- product recalls or market withdrawals;
- a change in the design, manufacturing process or the indications for which our marketed products may be used;
- loss of revenue; and
- an inability to commercialize product candidates.

Risks Related to our Intellectual Property

If we, or the third parties from whom we license intellectual property, are unable to secure and maintain patent or other intellectual property protection for the intellectual property covering our marketed products or our product candidates, our ability to compete will be harmed.

Our commercial success depends, in part, on obtaining patent and other intellectual property protection for the technologies contained in our products and product candidates. The patent positions of medical device companies, including ours, can be highly uncertain and involve complex and evolving legal and factual questions. Our patent position is uncertain and complex, in part, because of our dependence on intellectual property that we license from others. If we, or the third parties from whom we license intellectual property, fail to obtain adequate patent or other intellectual property protection for intellectual property covering our products or product candidates, or if any protection is reduced or eliminated, others could use the intellectual property covering our products or product candidates, resulting in harm to our competitive business position. In addition, patent and other intellectual property protection may not provide us with a competitive advantage against competitors that devise ways of making competitive products without infringing any patents that we own or have rights to.

United States patents and patent applications may be subject to interference proceedings and United States patents may be subject to reissue and reexamination proceedings in the United States Patent and Trademark Office. Foreign patents may be subject to opposition or comparable proceedings in the corresponding foreign patent offices. Any of these proceedings could result in either loss of the patent or denial of the patent application, or loss or reduction in the scope of one or more of the claims of the patent or patent application. Changes in either patent laws or in interpretations of patent laws may also diminish the value of our intellectual property or narrow the scope of our protection. Interference, reexamination and opposition proceedings may be costly and time consuming, and we, or the third parties from whom we license intellectual property, may be unsuccessful in such proceedings. Thus, any patents that we own or license may provide limited or no protection against competitors. In addition, our pending patent applications and those we may file in the future may not result in patents being issued or may have claims that do not cover our products or product candidates. Even if any of our pending or future patent applications are issued, they may not provide us with adequate protection or any competitive advantages. Our ability to develop additional patentable technology is also uncertain.

Non-payment or delay in payment of patent fees or annuities, whether intentional or unintentional, may also result in the loss of patents or patent rights important to our business. Many countries, including certain countries in Europe, have compulsory licensing laws under which a patent owner may be compelled to grant licenses to third parties. In addition, many countries limit the enforceability of patents against third parties, including government agencies or government contractors. In these countries, the patent owner may have limited remedies, which could materially diminish the value of the patent. In addition, the laws of some foreign countries do not protect intellectual property rights to the same extent as do the laws of the United States, particularly in the field of medical devices and procedures.

Others may assert that our products infringe their intellectual property rights, which may cause us to engage in costly disputes and, if we are not successful in defending ourselves, could also cause us to pay substantial damages and prohibit us from selling our marketed products.

There may be United States and foreign patents issued to third parties that relate to our business, including MRI-guided intervention systems and the components and methods and processes related to these systems. Some of these patents may be broad enough to cover one or more aspects of our present technologies and/or may cover aspects of our future technologies. We do not know whether any of these patents, if they exist and if asserted, would be held valid, enforceable and infringed. We cannot provide any assurance that a court or administrative body would agree with any arguments or defenses we may have concerning invalidity, unenforceability or non-infringement of any third-party patent. The medical device industry has been characterized by extensive litigation and administrative proceedings regarding patents and other intellectual property rights, and companies have employed such actions to gain a competitive advantage. If third parties assert infringement or other intellectual property claims against us, our management personnel will experience a significant diversion of time and effort and we will incur large expenses defending our company. If third parties in any patent action are successful, our patent portfolio may be damaged, we may have to pay substantial damages and we may be required to stop selling our products or obtain a license which, if available at all, may require us to pay substantial royalties. We cannot be certain that we will have the financial resources or the substantive arguments to defend our products from infringement or our patents from claims of invalidity or unenforceability, or to defend our products against allegations of infringement of third-party patents. In addition, any public announcements related to litigation or administrative proceedings initiated by us, or initiated or threatened against us, could negatively impact our business.

If we lose access to third-party software that is integrated into our ClearPoint system software, our costs could increase and new installations of our ClearPoint system could be delayed, potentially hurting our competitive position.

We have received a non-exclusive, non-transferable, worldwide license from a third party to certain software, in source code form, that is integrated into the software component of our ClearPoint system. In return, we agreed to pay the third party a one-time license fee, as well as a license fee for each copy of the ClearPoint system software that we distribute, subject to certain minimum license purchase commitments which we already have satisfied. The source code license is perpetual, except in the event we breach our agreement with the third party, in which case the third party may terminate the license for cause. A loss of the license could impede our ability to install our ClearPoint system at new sites until equivalent software could be identified, licensed or developed, and integrated into the software component of our ClearPoint system. These delays, if they occur, would harm our business, operating results and financial condition.

If the combination of patents, trade secrets and contractual provisions that we rely on to protect our intellectual property is inadequate, our ability to successfully commercialize our marketed products and product candidates will be harmed, and we may not be able to operate our business profitably.

Our success and ability to compete is dependent, in part, upon our ability to maintain the proprietary nature of our technologies. We rely on a combination of patent, copyright, trademark and trade secret law and nondisclosure agreements to protect our intellectual property. However, such methods may not be adequate to protect us or permit us to gain or maintain a competitive advantage. Our patent applications may not issue as patents in a form that will be advantageous to us, or at all. Our issued patents, and those that may issue in the future, may be challenged, invalidated or circumvented, which could limit our ability to stop competitors from marketing related products.

To protect our proprietary rights, we may in the future need to assert claims of infringement against third parties to protect our intellectual property. There can be no assurance that we will be successful on the merits in any enforcement effort. In addition, we may not have sufficient resources to litigate, enforce or defend our intellectual property rights. Litigation to enforce our intellectual property rights in patents, copyrights or trademarks is highly unpredictable, expensive and time consuming and would divert human and monetary resources away from managing our business, all of which could have a material adverse effect on our financial condition and results of operations even if we were to prevail in such litigation. In the event of an adverse judgment, a court could hold that some or all of our asserted intellectual property rights are not infringed, or that they are invalid or unenforceable, and could award attorney fees.

Despite our efforts to safeguard our unpatented and unregistered intellectual property rights, we may not be successful in doing so or the steps taken by us in this regard may not be adequate to detect or deter misappropriation of our technologies or to prevent an unauthorized third party from copying or otherwise obtaining and using our products, technologies or other information that we regard as proprietary. Additionally, third parties may be able to design around our patents. Furthermore, the laws of foreign countries may not protect our proprietary rights to the same extent as the laws of the United States. Our inability to adequately protect our intellectual property could allow our competitors and others to produce products based on our technologies, which could substantially impair our ability to compete.

We have entered into confidentiality and intellectual property assignment agreements with our employees and consultants as one of the ways we seek to protect our intellectual property and other proprietary technologies. However, these agreements may not be enforceable or may not provide meaningful protection for our trade secrets or other proprietary information in the event of unauthorized use or disclosure or other breaches of the agreements.

Our employees and consultants may unintentionally or willfully disclose our confidential information to competitors, and confidentiality agreements may not provide an adequate remedy in the event of unauthorized disclosure of confidential information. Enforcing a claim that a third party illegally obtained and is using our proprietary know-how is expensive and time-consuming, and the outcome is unpredictable. In addition, courts outside the United States are sometimes less willing to protect know-how than courts in the United States. Moreover, our competitors may independently develop equivalent knowledge, methods and know-how. Failure to obtain or maintain intellectual property protection could adversely affect our competitive business position.

We may be dependent upon one of our licenses from The Johns Hopkins University to develop and commercialize some components of the ClearTrace system.

We have entered into exclusive license agreements with The Johns Hopkins University, or Johns Hopkins, with respect to a number of technologies owned by Johns Hopkins. Under one of those agreements, which we entered into in 1998, we licensed a number of technologies relating to devices, systems and methods for performing MRI-guided interventions, particularly MRI-guided cardiac ablation procedures. Therefore, that license is important to the development of the ClearTrace system. Without that license, we may not be able to commercialize some of the components of the ClearTrace system, when and if developed, subject to regulatory clearance or approval. Johns Hopkins has the right to terminate the license under specified circumstances, including a breach by us and failure to cure such breach. We are obligated to use commercially reasonable efforts to develop and commercialize products based on the licensed patents and patent applications. This obligation could require us to take actions related to the development of the ClearTrace system that we would otherwise not take.

Risks Related to Regulatory Compliance

We operate in a highly-regulated industry and any failure to comply with the extensive government regulations may subject us to fines, injunctions and other penalties that could harm our business.

We are subject to extensive regulation by the FDA and various other federal, state and foreign governmental authorities. Government regulations and foreign requirements specific to medical devices are wide ranging and govern, among other things:

- design, development and manufacturing;
- testing, labeling and storage;
- product safety;
- marketing, sales and distribution;
- premarket clearance or approval;
- recordkeeping procedures;
- advertising and promotions;
- recalls and field corrective actions;
- post-market surveillance, including reporting of deaths or serious injuries and malfunctions that, if they were to recur, could lead to death or serious injury; and
- product export.

We are subject to ongoing FDA requirements, including: required submissions of safety and other post-market information; manufacturing facility registration and device listing requirements; compliance with the FDA's medical device current Good Manufacturing Practice regulations, as codified in the Quality System Regulation, or QSR; requirements regarding field corrections and removals of our marketed products; reporting of adverse events and certain product malfunctions to the FDA; and numerous recordkeeping requirements. If we or any of our collaborators or suppliers fail to comply with applicable regulatory requirements, a regulatory agency may take action against us, including any of the following sanctions:

- untitled letters, warning letters, fines, injunctions, consent decrees and civil penalties;
- customer notifications or orders for the repair or replacement of our products or refunds;
- recall, detention or seizure of our products;
- operating restrictions or partial suspension or total shutdown of production;
- refusing or delaying requests for 510(k) clearances or PMA approvals of new products or modified products;
- withdrawing 510(k) clearances or PMA approvals that have already been granted; or
- refusing to grant export approval for our products.

The FDA's and foreign regulatory agencies' statutes, regulations or policies may change, and additional government regulation or statutes may be enacted, which could increase post-approval regulatory requirements, or delay, suspend or prevent marketing of our products. We cannot predict the likelihood, nature or extent of adverse governmental regulation that might arise from future legislative or administrative action, either in the United States or abroad.

If we or our third-party suppliers fail to comply with the FDA's QSR or any applicable state equivalent, our manufacturing operations could be interrupted and our potential product sales and operating results could suffer.

We and some of our third-party suppliers are required to comply with the FDA's QSR, which covers the methods and documentation of the design, testing, production, control, quality assurance, labeling, packaging, sterilization, storage and shipping of our products and product candidates. We and our suppliers will also be subject

to the regulations of foreign jurisdictions regarding the manufacturing process to the extent we market our products in these jurisdictions. The FDA enforces the QSR through periodic and unannounced inspections of manufacturing facilities. Our facilities were last inspected by the FDA for QSR compliance in September 2014. We anticipate that we and certain of our third-party suppliers will be subject to future inspections. The failure by us or one of our third-party suppliers to comply with applicable statutes and regulations administered by the FDA and other regulatory bodies, or the failure to timely and adequately respond to any adverse inspectional observations, could result in enforcement actions against us, which could impair our ability to produce our products in a cost-effective and timely manner in order to meet our customers' demands. If we fail to comply with the FDA's QSR or any applicable state equivalent, we would be required to incur the costs and take the actions necessary to bring our operations into compliance, which may have a negative impact on our future sales and our ability to generate a profit.

Our products may in the future be subject to product recalls that could harm our reputation, business operating results and financial condition. Likewise, products that are manufactured and sold by third parties and that are needed for procedures in which physicians use our products also may be subject to recalls, which could adversely impact our business, operating results and financial condition.

The FDA and similar foreign governmental authorities have the authority to require the recall of commercialized products in the event of material deficiencies or defects in design, manufacture or labeling. In the case of the FDA, the authority to require a recall must be based on an FDA finding that there is a reasonable probability that the device would cause serious injury or death. In addition, foreign governmental bodies have the authority to require the recall of our products in the event of material deficiencies or defects in design or manufacture. Manufacturers may, under their own initiative, recall a product if any material deficiency in a device is found. A government-mandated or voluntary recall by us could occur as a result of component failures, manufacturing errors, design or labeling defects or other deficiencies and issues. Recalls of any of our products would divert managerial and financial resources and have an adverse effect on our financial condition and results of operations. We may initiate certain voluntary recalls involving our products in the future. Companies are required to maintain certain records of recalls, even if they are not reportable to the FDA. If we determine that certain of those recalls do not require notification to the FDA, the FDA may disagree with our determinations and require us to report those actions as recalls. A future recall announcement could harm our reputation with customers and negatively affect our sales. In addition, the FDA could take enforcement actions against us, which could impair our ability to produce our products in a cost-effective and timely manner in order to meet our customers' demands. Regulatory investigations or product recalls could also result in our incurring substantial costs, losing revenues and implementing a change in the design, manufacturing process or the indications for which our products may be used, each of which would harm our business.

In addition, products that are manufactured and sold by other companies and that are needed for procedures in which physicians use our ClearPoint system also could become subject to a recall. Our ClearPoint system is designed to enable a range of minimally-invasive procedures in the brain. Those procedures involve insertion of a catheter, probe, electrode or other similar device into a target region of the brain, and most of those devices are manufactured and sold by other companies. Any of those devices may become the subject of a recall, whether required by the FDA or a foreign governmental body or initiated by the third party manufacturer. The shortage or absence of any of those devices in the marketplace could adversely impact the number of procedures performed by physicians using our ClearPoint system, which would adversely impact our financial condition and results of operations.

If our products cause or contribute to a death or a serious injury, or malfunction in certain ways, we will be subject to Medical Device Reporting regulations, which can result in voluntary corrective actions or agency enforcement actions.

Under the FDA's Medical Device Reporting regulations, we are required to report to the FDA any incident in which our products may have caused or contributed to a death or serious injury or in which our products malfunctioned and, if the malfunction were to recur, would likely cause or contribute to death or serious injury. In the future, we may experience events that may require reporting to the FDA pursuant to the medical device reporting regulations. In addition, all manufacturers placing medical devices in European Union markets are legally bound to report any serious or potentially serious incidents involving devices they produce or sell to the relevant authority in whose jurisdiction the incident occurred. Any adverse event involving our products could result in future voluntary

corrective actions, such as recalls or customer notifications, or agency action, such as inspection, mandatory recall or other enforcement action. Any corrective action, whether voluntary or involuntary, as well as defending ourselves in a lawsuit, will require the dedication of our time and capital, distract management from operating our business, and may harm our reputation and financial results. In addition, failure to report such adverse events to appropriate government authorities on a timely basis, or at all, could result in an enforcement action against us.

We may incur significant liability if it is determined that we are promoting off-label uses of our products in violation of federal and state regulations in the United States or elsewhere.

We obtained 510(k) clearance of our ClearPoint system from the FDA for a general neurological intervention claim. This general neurological intervention indication is the same indication for use that applies to other devices that have traditionally been used in the performance of stereotactic neurological procedures. Unless and until we receive regulatory clearance or approval for use of our ClearPoint system in specific procedures, uses in procedures other than general neurological interventional procedures, such as biopsies and catheter and electrode insertions, may be considered off-label uses of our ClearPoint system.

Under the federal Food, Drug, and Cosmetic Act and other similar laws, we are prohibited from labeling or promoting our ClearPoint system, or training physicians, for such off-label uses. The FDA defines labeling to include not only the physical label attached to the product, but also items accompanying the product. This definition also includes items as diverse as materials that appear on a company's website. As a result, we are not permitted to promote off-label uses of our products, whether on our website, in product brochures or in customer communications. However, although manufacturers are not permitted to promote for off-label uses, in their practice of medicine, physicians may lawfully choose to use medical devices for off-label uses. Therefore, a physician could use our ClearPoint system for uses not covered by the cleared labeling.

The FDA and other regulatory agencies actively enforce regulations prohibiting promotion of off-label uses and the promotion of products for which marketing clearance or approval has not been obtained. If the FDA determines that our promotional materials or training constitutes promotion of an off-label use, it could request that we modify our training or promotional materials or subject us to regulatory or enforcement actions, including the issuance of an untitled letter, warning letter, injunction, seizure, civil fine and criminal penalties. It is also possible that other federal, state or foreign enforcement authorities might take action if they consider our promotional or training materials to constitute promotion of an unapproved use, which could result in significant fines or penalties under other statutory authorities, such as laws prohibiting false claims for reimbursement. In that event, our reputation could be damaged and market adoption of our products would be impaired. In addition, the off-label use of our products may increase the risk of injury to patients, and, in turn, the risk of product liability claims. Product liability claims are expensive to defend and could divert our management's attention and result in substantial damage awards against us.

We may be subject, directly or indirectly, to federal and state healthcare fraud and abuse laws and regulations and could face substantial penalties if we are unable to fully comply with such laws.

Although we do not provide healthcare services or receive payments directly from Medicare, Medicaid or other third-party payors for our products or the procedures in which our products may be used, many state and federal healthcare laws and regulations governing financial relationships between medical device companies and healthcare providers apply to our business and we could be subject to enforcement by both the federal government, private whistleblowers and the states in which we conduct our business. The healthcare laws and regulations that may affect our ability to operate include:

- The federal healthcare programs' Anti-Kickback Statute, which prohibits, among other things, individuals or entities from knowingly and willfully soliciting, receiving, offering or providing any kickback, bribe or other remuneration, directly or indirectly, in exchange for or to induce the purchase, lease or order, or arranging for or recommending of, any item or service for which payment may be made under a federal healthcare program such as the Medicare and Medicaid programs.
- Federal false claims laws, which prohibit, among other things, individuals or entities from knowingly presenting, or causing to be presented, claims for payment to Medicare, Medicaid or other federally-funded

healthcare programs that are false or fraudulent, or are for items or services not provided as claimed, and which may apply to entities like us to the extent that our interactions with customers may affect their billing or coding practices. Changes to the federal false claims law enacted as part of the Affordable Care Act will likely increase the number of whistleblower cases brought against providers and suppliers of health care items and services.

- The federal Health Insurance Portability and Accountability Act of 1996, as amended, or HIPAA, which established new federal crimes for knowingly and willfully executing a scheme to defraud any healthcare benefit program or making false statements in connection with the delivery of or payment for healthcare benefits, items or services.
- State and foreign law equivalents of each of the above federal laws, such as anti-kickback and false claims laws, and the Foreign Corrupt Practices Act, which may apply to items or services reimbursed by any third-party payor, including commercial insurers, or when physicians are employees of a foreign government entity.
- The Affordable Care Act, which imposes certain reporting obligations on manufacturers of drugs, devices and biologics. Specifically, such manufacturers are required to report payments or other transfers of value to or on behalf of a physician or teaching hospital by such manufacturers, as well as any ownership or investment interest held by physicians in such manufacturers. Violations of the reporting requirements are subject to civil monetary penalties.

The Affordable Care Act also grants the Office of Inspector General additional authority to obtain information from any individual or entity to validate claims for payment or to evaluate the economy, efficiency or effectiveness of the Medicare and Medicaid programs, expands the permissible exclusion authority to include any false statements or misrepresentations of material facts, enhances the civil monetary penalties for false statements or misrepresentation of material facts, and enhances the Federal Sentencing Guidelines for those convicted of federal healthcare offenses.

The medical device industry has been under heightened scrutiny as the subject of government investigations and government enforcement or private whistleblower actions under the Anti-Kickback Statute and the False Claims Act involving manufacturers who allegedly offered unlawful inducements to potential or existing customers in an attempt to procure their business, including specifically arrangements with physician consultants.

We may from time to time have agreements with physicians that could be scrutinized or could be subject to reporting requirements in the future, including consulting contracts in which we compensate physicians for various services, which could include:

- providing training and other similar services on the proper use of our products;
- advising us with respect to the commercialization of products in their respective fields;
- keeping us informed of new developments in their respective fields of practice;
- advising us on our research and development projects related to their respective fields;
- advising us on improvements to methods, processes and devices related to their respective fields (such as advice on the development of prototype devices); and
- assisting us with the technical evaluation of our methods, processes and devices related to their respective fields.

The Affordable Care Act mandates increased transparency of arrangements between physicians and medical device companies, which we expect will increase our overall cost of compliance. We believe that this increased transparency will also result in a heightened level of government scrutiny of the relationships between physicians and medical device companies. While we believe that all of our arrangements with physicians comply with applicable law, the increased level of scrutiny, coupled with the expanded enforcement tools available to the

government under the Affordable Care Act, may increase the likelihood of a governmental investigation. If we become subject to such an investigation, our business and operations would be adversely affected even if we ultimately prevail because the cost of defending such investigation would be substantial. Moreover, companies subject to governmental investigations could lose both overall market value and market share during the course of the investigation.

In addition, we may provide customers with information on products that could be deemed to influence their coding or billing practices, and may have sales, marketing or other arrangements with hospitals and other providers that could also be the subject of scrutiny under these laws. If our operations are found to be in violation of any of the laws described above or any other governmental regulations that apply to us, we may be subject to penalties, including civil and criminal penalties, damages, fines, exclusion from the Medicare and Medicaid programs and the curtailment or restructuring of our operations. Any penalties, damages, fines, exclusions, curtailment or restructuring of our operations could adversely affect our ability to operate our business and our financial results. The risk of our being found in violation of these laws is increased by the fact that many of these laws are broad and their provisions are open to a variety of interpretations. Any action against us for violation of these laws, even if we successfully defend against it, could cause us to incur significant legal expenses and divert our management's attention from the operation of our business. If the physicians or other providers or entities with whom we do business are found to be non-compliant with applicable laws, they may be subject to sanctions, which could also have a negative impact on our business.

We may be subject to privacy and data protection laws governing the transmission, use, disclosure, security and privacy of health information which may impose restrictions on technologies and subject us to penalties if we are unable to fully comply with such laws.

Numerous federal, state and international laws and regulations govern the collection, use, disclosure, storage and transmission of patient-identifiable health information. These laws include:

- HIPAA and the Privacy and Security Rules promulgated thereunder apply to covered entities, which include most healthcare facilities that purchase and use our products. The HIPAA Privacy and Security Rules set forth minimum standards for safeguarding individually identifiable health information, impose certain requirements relating to the privacy, security and transmission of individually identifiable health information and provide certain rights to individuals with respect to that information. HIPAA also requires covered entities to contractually bind third parties, known as business associates, in the event that they perform an activity or service for or on behalf of the covered entity that involves access to patient identifiable health information.
- The federal Health Information Technology for Economic and Clinical Health Act of 2009, or HITECH, which strengthens and expands the HIPAA Privacy and Security Rules and its restrictions on use and disclosure of patient identifiable health information, including imposing liability on business associates of covered entities.

Both HITECH and state data breach laws that necessitate the notification in certain situations of a breach that compromises the privacy or security of personal information.

- Other federal and state laws restricting the use and protecting the privacy and security of patient information may apply, many of which are not preempted by HIPAA.

Federal and state consumer protection laws are being applied increasingly by the United States Federal Trade Commission and state attorneys general to regulate the collection, use, storage and disclosure of personal or patient information, through websites or otherwise, and to regulate the presentation of website content.

- Other countries also have, or are developing, laws governing the collection, use and transmission of personal or patient information.
- Federal and state laws regulating the conduct of research with human subjects.

We are required to comply with federal and state laws governing the transmission, security and privacy of patient identifiable health information that we may obtain or have access to in connection with manufacture and sale of our products. We do not believe that we are a HIPAA-covered entity because we do not submit electronic claims to third-party payors, but there may be limited circumstances in which we may operate as a business associate to covered entities if we receive patient identifiable data through activities on behalf of a healthcare provider. We may be required to make costly system modifications to comply with the HIPAA privacy and security requirements that will be imposed on us contractually through business associate agreements by covered entities and directly under HITECH or HIPAA regulations. Our failure to comply may result in criminal and civil liability because the potential for enforcement action against business associates is now greater. Enforcement actions can be costly and interrupt regular operations which may adversely affect our business.

In addition, numerous other federal and state laws protect the confidentiality of patient information as well as employee personal information, including state medical privacy laws, state social security number protection laws, state data breach laws and federal and state consumer protection laws. These various laws in many cases are not preempted by the HIPAA rules and may be subject to varying interpretations by the courts and government agencies, creating complex compliance issues for us and our customers and potentially exposing us to additional expense, adverse publicity and liability. In connection with any clinical trials we conduct, we will be subject to state and federal privacy and human subject protection regulations. The HIPAA requirements and other human subjects research laws could create liability for us or increase our cost of doing business because we must depend on our research collaborators to comply with the applicable laws. We may adopt policies and procedures that facilitate our collaborators' compliance, and contractually require compliance, but we cannot ensure that non-employee collaborators or investigators will comply with applicable laws. As a result, unauthorized uses and disclosures of research subject information in violation of the law may occur. Any such violations could lead to sanctions that could adversely affect our business.

Risks Related to Facilities, Employees and Growth

We are dependent on our senior management team, our sales, clinical support and marketing team and our engineering team, and the loss of any of them could harm our business.

All of our employees, including the members of our senior management team, are at-will employees, and therefore they may terminate employment with us at any time. Accordingly, there are no assurances that the services of any of our employees will be available to us for any specified period of time. The loss of members of our senior management team, our sales, clinical support and marketing team or our engineering team, or our inability to attract or retain other qualified personnel, could have a material adverse effect on our business, financial condition and results of operations. If the need to replace any of our key employees arises, the replacement process likely would involve significant time and costs, and may significantly delay or prevent the achievement of our business objectives.

In March 2015, we announced the consolidation of all major business functions into our Irvine, California headquarters. In connection with this consolidation, we closed our Memphis, Tennessee office in May 2015. We did not retain any of our Memphis-based employees. A total of seven employees were impacted by the consolidation, including three of our executives, whose responsibilities were assumed by a substantially new management team, who we recruited during within the past two years and are based in our Irvine, California headquarters.

We need to hire and retain additional qualified personnel to grow and manage our business. If we are unable to attract and retain qualified personnel, our business and growth could be seriously harmed.

Our performance depends on the talents and efforts of our employees. Our future success will depend on our ability to attract, retain and motivate highly skilled personnel in all areas of our organization, but particularly as part of our sales, clinical support and marketing team. We plan to continue to grow our business and will need to hire additional personnel to support this growth. It is often difficult to hire and retain these persons, and we may be unable to replace key persons if they leave or fill new positions requiring key persons with appropriate experience. If we experience difficulties locating and hiring suitable personnel in the future, our growth may be hindered. Qualified individuals are in high demand, particularly in the medical device industry, and we may incur significant costs to attract and retain them. If we are unable to attract and retain the personnel we need to succeed, our business

and growth could be harmed.

If we do not effectively manage our growth, we may be unable to successfully market and sell our products or develop our product candidates.

Our future revenue and operating results will depend on our ability to manage the anticipated growth of our business. In order to achieve our business objectives, we must continue to grow. However, continued growth presents numerous challenges, including:

- expanding our sales, clinical support and marketing infrastructure and capabilities;
- expanding our assembly capacity and increasing production;
- implementing appropriate operational and financial systems and controls;
- improving our information systems;
- identifying, attracting and retaining qualified personnel in our areas of activity; and
- hiring, training, managing and supervising our personnel.

We cannot be certain that our systems, controls, infrastructure and personnel will be adequate to support our future operations. Any failure to effectively manage our growth could impede our ability to successfully develop, market and sell our products and our business will be harmed.

Our operations are vulnerable to interruption or loss due to natural disasters, power loss and other events beyond our control, which would adversely affect our business.

We do not have redundant facilities. We conduct substantially all of our activities, including executive management, research and development, component processing, final assembly, packaging and distribution activities for our ClearPoint system, at our facility located in Irvine, California, which is a seismically active area that has experienced major earthquakes in the past, as well as other natural disasters, including wildfires. We have taken precautions to safeguard our facility, including obtaining business interruption insurance. However, any future natural disaster, such as an earthquake or a wildfire, could significantly disrupt our operations, and delay or prevent product assembly and shipment during the time required to repair, rebuild or replace our facility, which could be lengthy and result in significant expenses. Furthermore, the insurance coverage we maintain may not be adequate to cover our losses in any particular case or continue to be available at commercially reasonable rates and terms. In addition, our facility may be subject to shortages of electrical power, natural gas, water and other energy supplies. Any future shortage or conservation measure could disrupt our operations and cause expense, thus adversely affecting our business and financial results.

Risks Related to Our Shares of Common Stock

Our stock may be traded infrequently and in low volumes, so you may be unable to sell your shares at or near the quoted bid prices if you need to sell your shares.

The shares of our common stock may trade infrequently and in low volumes in the over-the-counter market, meaning that the number of persons interested in purchasing our common shares at or near bid prices at any given time may be relatively small or non-existent. This situation may be attributable to a number of factors, including the fact that we are a small company which is relatively unknown to stock analysts, stock brokers, institutional investors and others in the investment community who can generate or influence sales volume. Even if we come to the attention of such institutionally oriented persons, they may be risk-averse in the current economic environment and could be reluctant to follow a company such as ours or purchase or recommend the purchase of our shares until such time as we become more seasoned. As a consequence, there may be periods of several days or more when trading activity in our shares is minimal or non-existent, as compared to a seasoned issuer which has a large and steady volume of trading activity that will generally support continuous sales without an adverse effect on share price. We cannot give you any assurance that a broader or more active public trading market for our shares

will develop or be sustained. Due to these conditions, we can give you no assurance that you will be able to sell your shares at or near bid prices or at all if you need money or otherwise desire to liquidate your shares. As a result, investors could lose all or part of their investment.

Our stock price is below \$5.00 per share and is treated as a “penny stock”, which places restrictions on broker-dealers recommending the stock for purchase.

Our common stock is defined as “penny stock” under the Securities Exchange Act of 1934, or the Exchange Act, and its rules. The Securities and Exchange Commission, or SEC, has adopted regulations that define “penny stock” to include common stock that has a market price of less than \$5.00 per share, subject to certain exceptions. These rules include the following requirements:

- a broker-dealer must deliver, prior to the transaction, a disclosure schedule prepared by the SEC relating to the penny stock market;
- a broker-dealer must disclose the commissions payable to the broker-dealer and its registered representative;
- a broker-dealer must disclose current quotations for the securities; and
- a broker-dealer must furnish its customers with monthly statements disclosing recent price information for all penny stocks held in the customer’s account and information on the limited market in penny stocks.

Additional sales practice requirements are imposed on broker-dealers who sell penny stocks to persons other than established customers and accredited investors. For these types of transactions, the broker-dealer must make a special suitability determination for the purchaser and must have received the purchaser’s written consent to the transaction prior to sale. If our common stock remains subject to these penny stock rules these disclosure requirements may have the effect of reducing the level of trading activity in the secondary market for our common stock. As a result, fewer broker-dealers may be willing to make a market in our stock, which could affect a stockholder’s ability to sell their shares.

Our common stock is traded on the over-the-counter market, and our stock price could be volatile.

Our common stock is currently traded on the over-the-counter market. The over-the-counter market lacks the credibility of established stock markets and is characterized by larger gaps between bid and ask prices. Stocks traded on the over-the-counter market have traditionally experienced significant price and volume fluctuations that often are unrelated or disproportionate to the operating performance of a company trade in such market. Regardless of our actual operating performance, the market price for our common stock may materially decline from time to time. There can be no assurance that you will be able to sell your stock at a time when the market price is greater than what you paid. If a large volume of our shares of common stock is posted for sale, it will likely cause the market price of our common stock to decline.

Sales of a substantial number of shares of our common stock in the public market, or the perception that they may occur, may depress the market price of our common stock.

All of the shares of our common stock covered by this prospectus will be freely transferable, unless held by an affiliate of ours. Excluding the shares of our common stock covered by this prospectus, as of December 31, 2015, almost all of our outstanding shares were freely transferable or could be publicly resold pursuant to Rule 144 under the Securities Act of 1933, as amended, or the Securities Act. In general, under Rule 144 as currently in effect, a person (or persons whose shares are aggregated) who has beneficially owned restricted securities for at least six months, including our affiliates, would be entitled to sell such securities, subject to the availability of current public information about the company. A person who has not been our affiliate at any time during the three months preceding a sale, and who has beneficially owned his shares for at least one year, would be entitled under Rule 144 to sell such shares without regard to any limitations under Rule 144. Under Rule 144, sales by our affiliates are subject to volume limitations, manner of sale provisions and notice requirements. Any substantial sale of common stock pursuant to this prospectus, Rule 144 or otherwise may have an adverse effect on the market price of our common stock by creating an excessive supply. Likewise, the availability for sale of substantial amounts of our common stock could reduce the prevailing market price.

We have not paid dividends in the past and do not expect to pay dividends in the future.

We have never declared or paid cash dividends on our capital stock. We currently intend to retain all future earnings for the operation and expansion of our business and, therefore, do not anticipate declaring or paying cash dividends in the foreseeable future. The payment of dividends will be at the discretion of our Board of Directors and will depend on our results of operations, capital requirements, financial condition, prospects, contractual arrangements, any limitations on payments of dividends present in any of our future debt agreements and other factors our Board of Directors may deem relevant. If we do not pay dividends, a return on your investment will only occur if our stock price appreciates.

Anti-takeover provisions in our certificate of incorporation, bylaws and Delaware law could prevent or delay a change in control of our company.

Provisions in our certificate of incorporation and bylaws, as well as provisions of Delaware law, may discourage, delay or prevent a merger, acquisition or change of control. These provisions could also discourage proxy contests and make it more difficult for stockholders to elect directors and take other corporate actions. These provisions:

- permit our Board of Directors to issue shares of preferred stock, with any rights, preferences and privileges as they may designate, including the right to approve an acquisition or other change in our control;
- provide that the authorized number of directors may be changed only by resolution of the Board of Directors;
- provide that all vacancies, including newly created directorships, may, except as otherwise required by law, be filled by the affirmative vote of a majority of directors then in office, even if less than a quorum;
- require that any action to be taken by our stockholders must be effected at a duly called annual or special meeting of stockholders and not be taken by written consent;
- provide that stockholders seeking to present proposals before a meeting of stockholders or to nominate candidates for election as directors at a meeting of stockholders must provide notice in writing in a timely manner, and also specify requirements as to the form and content of a stockholder's notice;
- do not provide for cumulative voting rights (therefore allowing the holders of a majority of the shares of common stock entitled to vote in any election of directors to elect all of the directors standing for election, if they should so choose);

- provide that special meetings of our stockholders may be called only by the chairman of the Board of Directors, our Chief Executive Officer or by the Board of Directors pursuant to a resolution adopted by a majority of the total number of authorized directors; and
- provide that stockholders will be permitted to amend our bylaws only upon receiving at least 66 2/3% of the votes entitled to be cast by holders of all outstanding shares then entitled to vote generally in the election of directors, voting together as a single class.

In addition, we are subject to Section 203 of the Delaware General Corporation Law, which generally prohibits a Delaware corporation from engaging in any broad range of business combinations with any stockholder who owns, or at any time in the last three years owned, 15% or more of our outstanding voting stock, for a period of three years following the date on which the stockholder became an interested stockholder. This provision could have the effect of delaying or preventing a change of control, whether or not it is desired by or beneficial to our stockholders.

We are an “emerging growth company,” and we cannot be certain if the reduced reporting requirements applicable to emerging growth companies will make our common stock less attractive to investors.

We are an “emerging growth company,” as defined in the Jumpstart Our Business Startups Act, or the JOBS Act. For as long as we continue to be an emerging growth company, we may take advantage of exemptions from various reporting requirements that are applicable to other public companies that are not emerging growth companies, including not being required to comply with the auditor attestation requirements of Section 404 of the Sarbanes-Oxley Act, reduced disclosure obligations regarding executive compensation in our periodic reports and proxy statements and exemptions from the requirements of holding a nonbinding advisory vote on executive compensation and shareholder approval of any golden parachute payments not previously approved. We could be an emerging growth company for up to five years, although we could lose that status sooner if our revenues exceed \$1 billion, if we issue more than \$1 billion in non-convertible debt in a three-year period, or if the market value of our common stock held by non-affiliates exceeds \$700 million as of any June 30 before that time, in which case we would no longer be an emerging growth company as of the following December 31. We cannot predict if investors will find our common stock less attractive because we may rely on these exemptions. If some investors find our common stock less attractive as a result, there may be a less active trading market for our common stock and our stock price may be more volatile.

Under the JOBS Act, emerging growth companies can also delay adopting new or revised accounting standards until such time as those standards apply to private companies. We have irrevocably elected not to avail ourselves of this exemption from new or revised accounting standards and, therefore, will be subject to the same new or revised accounting standards as other public companies that are not emerging growth companies.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains forward-looking statements. These statements involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performances or achievements, expressed or implied by the forward-looking statements. Forward-looking statements may include, but are not limited to, statements about:

- our ability to obtain additional financing;
- estimates regarding the sufficiency of our cash resources;
- future revenues from sales of ClearPoint system products; and
- our ability to market, commercialize and achieve broader market acceptance for our ClearPoint system products.

In some cases, you can identify forward-looking statements by terms such as “anticipates,” “believes,” “could,” “estimates,” “expects,” “intends,” “may,” “plans,” “potential,” “predicts,” “projects,” “should,” “will,” “would,” and similar expressions intended to identify forward-looking statements, although not all forward-looking statements contain these words. Although we believe that we have a reasonable basis for each forward-looking statement contained in this prospectus, we caution you that these statements are based on a combination of facts and factors currently known by us and our projections of the future, about which we cannot be certain.

You should refer to the section of this prospectus entitled “Risk Factors” for a discussion of important factors that may cause our actual results to differ materially from those expressed or implied by our forward-looking statements. As a result of these factors, we cannot assure you that the forward-looking statements in this prospectus will prove to be accurate. Furthermore, if our forward-looking statements prove to be inaccurate, the inaccuracy may be material. In light of the significant uncertainties in these forward-looking statements, you should not regard these statements as a representation or warranty by us or any other person that we will achieve our objectives and plans in any specified time frame, or at all. We do not undertake to update any of the forward-looking statements after the date of this prospectus, except to the extent required by applicable securities laws.

USE OF PROCEEDS

We will not receive any proceeds from the sale of the common stock by selling securityholders pursuant to this prospectus. All proceeds from the sale of the shares will be for the account of the selling securityholders. We could receive up to approximately \$5.9 million in proceeds from the exercise of all of the warrants held by the securityholders and covered by this prospectus, when and if such warrants are exercised for cash. However, the warrants are exercisable on a cashless basis under certain circumstances, and, to the extent the warrants are exercised, we expect that most securityholders would utilize the cashless exercise feature. To the extent we receive any cash proceeds from the exercise of the warrants, we intend to use the proceeds for working capital and general corporate purposes. We will pay the expenses of registration of the shares of our common stock covered by this prospectus, including legal and accounting fees.

SELLING SECURITYHOLDERS FOR WHOSE ACCOUNTS WE ARE REGISTERING SHARES

The shares to be offered by the securityholders named in this prospectus are “restricted” securities under applicable federal and state securities laws and are being registered under the Securities Act to give those securityholders the opportunity to publicly sell these shares, if they elect to do so. The registration of these shares does not require that any of the shares be offered or sold by the securityholders. The securityholders may from time to time offer and sell all or a portion of their shares in the over-the-counter market, in negotiated transactions, or otherwise, at prices then prevailing or related to the then current market price or at negotiated prices.

The registered shares may be sold directly or through brokers or dealers, or in a distribution by one or more underwriters on a firm commitment or best efforts basis. To the extent required, the names of any agent or broker-

dealer and applicable commissions or discounts and any other required information with respect to any particular offer will be set forth in a prospectus supplement. Please see “Plan of Distribution.” The securityholders and any agents or broker-dealers that participate with the securityholders in the distribution of registered shares may be deemed to be “underwriters” within the meaning of the Securities Act, and any commissions received by them and any profit on the resale of the registered shares may be deemed to be underwriting commissions or discounts under the Securities Act.

The following table sets forth the name of each securityholder, the number of shares of our common stock known by us to be beneficially owned by such securityholder as of December 31, 2015, the number of shares of our common stock that may be offered for resale for the account of such securityholder pursuant to this prospectus and the number of shares of our common stock to be held by such securityholder subsequent to the offering. The information is based upon our review of our stockholder, optionholder and warrant holder registers and information furnished by the securityholders. No estimate can be given as to the amount or percentage of our common stock that will be held by the named securityholders subsequent to the offering because the securityholders are not required to sell any of the shares being registered under this prospectus. Therefore, the following table includes two columns with respect to the number of shares of our common stock to be held by the securityholders following the offering. One column assumes that the securityholders will not sell any of the shares listed in this prospectus, while the other column assumes that the securityholders will sell all of the shares listed in this prospectus.

Beneficial ownership is determined in accordance with the rules of the SEC and generally includes voting or investment power with respect to securities. Shares of common stock subject to options and warrants currently exercisable or convertible, or exercisable or convertible within 60 days are deemed outstanding, including for purposes of computing the percentage ownership of the person holding the option or warrant, but not for purposes of computing the percentage of any other holder. Percentage ownership is based on 91,381,488 shares of common stock outstanding as of December 31, 2015.

Securityholder	Shares Beneficially Owned Prior to the Offering (1)(2)	Shares Offered by this Prospectus (3)	Shares Beneficially Owned Subsequent to the Offering (1)(2)(4)		Shares Beneficially Owned Subsequent to the Offering (5)(6)	
			Shares	Percent	Shares	Percent
AAR Associates, L.P. ⁽⁷⁾	148,257 ⁽⁸⁾	104,745	148,257	*	43,512	*
Alan Eisenman	2,997,509	523,722	2,997,509	3.3	2,473,787	2.7
Alan Jay Eisenman Family Trust ⁽⁹⁾	2,618,608	2,618,608	2,618,608	2.9	—	*
Alden M. Conway Trust ⁽¹⁰⁾	261,860	261,860	261,860	*	—	*
Angela C. Dong	90,000 ⁽¹¹⁾	50,000	90,000	*	40,000	*
Bari A. Latterman	10,000	10,000	10,000	*	—	*
Brookside Investors, LP	1,309,304	1,309,304	1,309,304	1.4	—	*
Bruce C. Conway	9,056,168 ⁽¹²⁾	785,583	9,056,168	9.9	8,270,585	9.1
Bruce Andrew Miles	50,000	50,000	50,000	*	—	*
Bryan McShane	392,791	392,791	392,791	*	—	*
Chase T. Conway Trust ⁽¹³⁾	261,860	261,860	261,860	*	—	*
Christopher Carlin	17,800	17,800	17,800	*	—	*
Crilly Court Trust ⁽¹⁴⁾	523,722	523,722	523,722	1.0	—	*
Cynergy Healthcare Investors Emerging Bridge, LLC ⁽¹⁵⁾	274,360	261,860	274,360	*	12,500	*
Cynthia Finerman Living Trust ⁽¹⁶⁾	74,129	52,373	74,129	*	21,756	*
Elmore I. DeMott	261,860	261,860	261,860	*	—	*
ETC FBO Langhorne Reid IRA	1,067,622 ⁽¹⁷⁾	523,722	1,067,622	1.2	543,900	1.0
ETC FBO Vera Reid IRA	370,640 ⁽¹⁸⁾	261,860	370,640	*	108,780	*
Francis P. Grillo ⁽¹⁹⁾	3,173,722 ⁽²⁰⁾	523,722	3,173,722	3.5	2,650,000	2.9
George B. Lucas Jr.	492,221	261,860	492,221	1.0	230,361	*
Gil Mandelzis	130,930	130,930	130,930	*	—	*

Harrison R. L. Lydon	1,014,173 ⁽²¹⁾	343,277	1,014,173	1.1	670,896	1.0
Hellenic Medical P.C. ⁽²²⁾	262,285	261,860	262,285	*	425	*
Hessler Finance, Ltd. ⁽²³⁾	261,860	261,860	261,860	*	—	*
Highline Innovation Investments LLC ⁽²⁴⁾	261,860	261,860	261,860	*	—	*
Hon Haw Siang	2,618,608	2,618,608	2,618,608	2.9	—	*
Intracoastal Capital, LLC ⁽²⁵⁾	392,791	392,791	392,791	*	—	*
J. Rainer Twiford ⁽²⁶⁾	128,729	128,729	128,729	*	—	*
Jai K. Singhanian	1,317,117 ⁽²⁷⁾	157,117	1,317,117	1.4	1,160,000	1.3
Jean-Pierre Sommadossi 1998 Irrevocable Trust ⁽²⁸⁾	850,062 ⁽²⁹⁾	523,722	850,062	1.0	326,340	*
JEB Partners, L.P. ⁽³⁰⁾	1,495,784 ⁽³¹⁾	1,309,304	1,495,784	1.6	186,480	*
Jennifer Duncan Trust ⁽³²⁾	1,047,442	1,047,442	1,047,442	1.1	—	*
John B. Kellenyi	1,244,832	785,583	1,244,832	1.4	459,249	1.0
John Dexter Pearson	137,000 ⁽³³⁾	75,000	137,000	*	62,000	*
Jonathan Gazdak	14,000	14,000	14,000	*	—	*
Joseph Amato	18,758	18,758	18,758	*	—	*
Joseph Dedona	59,316	59,316	59,316	*	—	*
JPM Partners, LLC ⁽³⁴⁾	479,420 ⁽³⁵⁾	261,860	479,420	*	217,560	*
Klaus Kretschmer	2,055,546 ⁽³⁶⁾	523,722	2,055,546	2.2	1,531,824	1.7
Koob Family Trust ⁽³⁷⁾	261,860	261,860	261,860	*	—	*
LAGOM, LLC ⁽³⁸⁾	785,583	785,583	785,583	1.0	—	*
Lorna C. Jensen	146,470	130,930	146,470	*	15,540	*
MAC, LLC ⁽³⁹⁾	164,082 ⁽⁴⁰⁾	128,729	164,082	*	35,353	*
Macy Curtis Smith	130,930	130,930	130,930	*	—	*
MCT Investments, LLC ⁽⁴¹⁾	288,860 ⁽⁴²⁾	261,860	288,860	*	27,000	*
Mellon Group LLC ⁽⁴³⁾	1,571,522 ⁽⁴⁴⁾	523,722	1,571,522	1.7	1,047,800	1.1
Merritt E. Conway Trust ⁽⁴⁵⁾	261,860	261,860	261,860	*	—	*
Michael Fontaine	30,000	30,000	30,000	*	—	*
Michael A. Herzberg	770,178	770,178	770,178	1.0	—	*
Patrick Malone	1,304,035 ⁽⁴⁶⁾	154,035	1,304,035	1.4	1,150,000	1.3
Ralph Finerman	189,769 ⁽⁴⁷⁾	104,745	189,769	*	85,024	*
Ravi Singhanian	157,117	157,117	157,117	*	—	*
Richard A. Smith	687,791 ⁽⁴⁸⁾	392,791	687,791	1.0	295,000	*
Robert C. Jamo	289,489	209,489	289,489	*	80,000	*
Robert Masters	358,872	178,066	358,872	*	180,806	*
Robert P. Clark	130,930	130,930	130,930	*	—	*
Robert R. Penn	1,048,707 ⁽⁴⁹⁾	785,583	1,048,707	1.1	263,124	*
Rocco Guidici Pietro	18,758	18,758	18,758	*	—	*
Ryan & Brittany Pearson	274,449 ⁽⁵⁰⁾	183,303	274,449	*	91,146	*
Scott A. Katzmann	343,277	343,277	343,277	*	—	*
Seymour H. Block	130,930	130,930	130,930	*	—	*
Shoup Revocable Trust	371,833 ⁽⁵¹⁾	130,930	371,833	*	240,903	*
Stanley E. Maron	146,470 ⁽⁵²⁾	130,930	146,470	*	15,540	*
Stephen R. Mut	130,930	130,930	130,930	*	—	*
Steven S. Marco	810,583	785,583	810,583	8.9	25,000	*
Striker Asia Opportunities Fund Corporation ⁽⁵³⁾	3,787,125 ⁽⁵⁴⁾	523,722	3,787,125	4.1	3,263,403	3.6
Timothy M. Hogue	261,860	261,860	261,860	*	—	*
Timothy T. Richards	248,918 ⁽⁵⁵⁾	130,930	248,918	*	117,988	*
Tortuga Oil & Gas, L.P. ⁽⁵⁶⁾	917,145	785,583	917,145	1.0	131,562	*
William B. Buchanan, Jr.	343,277	343,277	343,277	*	—	*
William A. Legg Jr.	392,791	392,791	392,791	*	—	*
Withington Foundation ⁽⁵⁷⁾	618,998	261,860	618,998	1.0	357,138	*
Wood Family Trust ⁽⁵⁸⁾	523,722	523,722	523,722	1.0	—	*

* Represents beneficial ownership of less than 1% of our outstanding common stock.

- (1) Includes an aggregate of 19,042,068 shares issuable upon exercise of warrants and 2,780,000 shares issuable upon exercise of options, and assumes a cash exercise of such warrants and options.
- (2) Does not take into account any limitations on exercise contained in any warrants.
- (3) Includes an aggregate of 13,047,409 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (4) Assumes the securityholder does not sell any of the shares of common stock included in this prospectus.
- (5) Assumes the securityholder sells all of the shares of common stock included in this prospectus.
- (6) Includes an aggregate of 5,994,659 shares issuable upon exercise of warrants and 2,780,000 shares issuable upon exercise of options, and assumes a cash exercise of such warrants and options.
- (7) Mr. Ralph Finerman has voting and investment power with respect to the securities owned by AAR Associates, L.P.
- (8) Includes an aggregate of 12,432 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (9) Mr. Alan Eisenman has voting and investment power with respect to the shares owned by the Alan Jay Eisenman Family Trust.
- (10) Mr. Bruce C. Conway has voting and investment power with respect to the shares owned by the Alden M. Conway Trust.
- (11) Includes an aggregate of 40,000 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (12) Includes 50,000 shares jointly held with Mr. Bruce C. Conway's spouse, 472,500 shares held solely by Mr. Conway's spouse, 1,295,388 shares that Mr. Conway has the right to acquire through the exercise of warrants, 45,000 shares that Mr. Conway has the right to acquire through the exercise of options and 2,580,580 shares in the aggregate owned (or underlying warrants immediately exercisable) by the Alden M. Conway Trust, the Chase T. Conway Trust, the Merritt Elizabeth Conway Trust, the Edna N. Conway Irrevocable Trust FBO Alden M. Conway, the Edna N. Conway Irrevocable Trust FBO Chase T. Conway, the Edna N. Conway Irrevocable Trust FBO Merritt Elizabeth Conway and the Conway Family GST Trust. Mr. Conway is the trustee of each of the aforementioned trusts and has voting and investment power of each trust's shares, which are held in trust for the benefit of members of his family. Also includes 92,500 shares owned by the BCC Life Insurance Trust, which shares are held in trust for the benefit of Mr. Conway's children. A third party serves as trustee for such trust. All of the foregoing numbers for shares underlying warrants and options assume a cash exercise of such warrants or options.
- (13) Mr. Bruce C. Conway has voting and investment power with respect to the shares owned by the Chase T. Conway Trust.
- (14) Ms. Pamela I. Kaji has voting and investment power with respect to the shares owned by the Crilly Court Trust.
- (15) Mr. Patrick Adams has voting and investment power with respect to the shares owned by Cynergy Healthcare Investors Emerging Bridge, LLC. Includes an aggregate of 12,500 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (16) Mrs. Cynthia Finerman has voting and investment power with respect to the shares owned by the Cynthia Finerman Living Trust. Includes an aggregate of 6,216 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (17) Includes an aggregate of 155,400 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (18) Includes an aggregate of 31,080 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants. 15,540 of such warrants are held by VMA Group, Inc. Ms. Reid has voting and investment power with respect to the shares owned by VMA Group, Inc.
- (19) Mr. Francis P. Grillo is our Chief Executive Officer and President, and serves as a director on our Board of Directors.
- (20) Includes an aggregate of 2,650,000 shares issuable upon exercise of options, and assumes a cash exercise of such options.
- (21) Includes an aggregate of 640,896 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (22) Mr. Socrates Kangadis has voting and investment power with respect to the shares owned by Hellenic Medical P.C.
- (23) Mr. Attilio Scotti has voting and investment power with respect to the shares owned by the Hessler Finance, Ltd.
- (24) Mr. Scott Livingstone has voting and investment power with respect to the shares owned by Highline Innovation Investments LLC.
- (25) Mr. Mitchell P. Kopin ("Mr. Kopin") and Mr. Daniel B. Asher ("Mr. Asher"), each of whom are managers of Intracoastal Capital LLC ("Intracoastal"), have shared voting control and investment discretion over the securities reported herein that are held by Intracoastal. As a result, each of Mr. Kopin and Mr. Asher may be deemed to have beneficial ownership (as determined under Section 13(d) of the Exchange Act) of the securities reported herein that are held by Intracoastal. Mr. Asher, who is a manager of Intracoastal, is also a control person of a broker-dealer. As a result of such common control, Intracoastal may be deemed to be an affiliate of a broker-dealer. Intracoastal acquired the ordinary shares being registered hereunder in the ordinary course of business, and at the time of the acquisition of the ordinary shares and warrants described herein, Intracoastal did not have any arrangements or understandings with any person to distribute such securities.
- (26) Mr. J. Rainer Twiford is a registered representative and principal of Brookline Group, LLC, a registered broker-dealer that served as placement agent in our December 2015 PIPE financing. Brookline Group, LLC also previously served as placement agent for our December 2014 PIPE financing, March 2014 private offering, as a co-placement agent for our January 2013 private offering, and as a sub-placement agent for our July 2012 private offering.
- (27) Includes 1,150,000 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants, which are held in a limited partnership controlled by Mr. Patrick Malone and Mr. Jai Singhania.
- (28) Mr. Jean-Pierre Sommadossi has voting and investment power with respect to the shares owned by the Jean-Pierre Sommadossi 1998 Irrevocable Trust.
- (29) Includes an aggregate of 93,240 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (30) Mr. James E. Besser has voting and investment power with respect to the shares owned by JEB Partners, L.P.

- (31) Includes an aggregate of 186,480 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (32) Ms. Jennifer Duncan has voting and investment power with respect to the shares owned by the Jennifer Duncan Trust.
- (33) Includes an aggregate of 60,000 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (34) Mr. Jean-Pierre Sommadossi has voting and investment power with respect to the shares owned by JPM Partners, LLC.
- (35) Includes an aggregate of 62,160 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (36) Includes an aggregate of 465,175 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (37) Mr. Charles E. Koob serves as a director on our Board of Directors, is trustee of the Koob Family Trust and has voting and investment power with respect to the securities owned by the Koob Family Trust.
- (38) Ms. Marika Lindholm has voting and investment power with respect to the shares owned by LAGOM, LLC.
- (39) Mr. Madding King has voting and investment power with respect to shares owned by MAC, LLC. Mr. King is a registered representative and principal of Brookline Group, LLC, a registered broker-dealer that served as placement agent in our December 2015 PIPE financing. Brookline Group, LLC also previously served as placement agent for our December 2014 PIPE financing, March 2014 private offering, as a co-placement agent for our January 2013 private offering, and as a sub-placement agent for our July 2012 private offering.
- (40) Includes an aggregate of 35,353 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (41) Mrs. Marsha Twiford, who is Mr. J. Rainer Twiford's spouse, has voting and investment power with respect to the shares owned by MCT Investments, LLC. Mr. J. Rainer Twiford is a registered representative and principal of Brookline Group, LLC, a registered broker-dealer that served as placement agent in our December 2015 PIPE financing. Brookline Group, LLC also previously served as placement agent for our December 2014 PIPE financing, March 2014 private offering, as a co-placement agent for our January 2013 private offering, and as a sub-placement agent for our July 2012 private offering.
- (42) Includes an aggregate of 27,000 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (43) Mr. Henry Mellon has voting and investment power with respect to the shares owned by the Mellon Group LLC.
- (44) Includes an aggregate of 310,800 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (45) Mr. Bruce C. Conway has voting and investment power with respect to the shares owned by the Merritt E. Conway Trust.
- (46) Includes 1,150,000 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants, which warrants are held in a limited partnership controlled by Mr. Patrick Malone and Mr. Jai Singhania.
- (47) Includes 43,512 shares held by AAR Associates, L.P, over which Mr. Ralph Finerman has voting and investment power. Also includes an aggregate of 24,864 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (48) Includes 65,000 shares beneficially owned by Mr. Smith through an individual retirement account.
- (49) Includes 131,562 shares held by Tortuga Oil & Gas, L.P., over which Mr. Robert R. Penn has voting and investment power.
- (50) Includes an aggregate of 54,390 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (51) Includes an aggregate of 59,858 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (52) Includes an aggregate of 15,540 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (53) Guardian Capital Management Limited ("Guardian"), the investment manager of Striker Asia Opportunities Fund Corporation, and Mr. Huen Chung Yuen Ian, in his capacity as managing director of Guardian, each have voting and investment power over these securities. Guardian and Mr. Huen each disclaim beneficial ownership over these securities.
- (54) Includes an aggregate of 932,401 shares issuable upon exercise of warrants, and assumes a cash exercise of such warrants.
- (55) Includes an aggregate of 85,000 shares issuable upon exercise of options, and assumes a cash exercise of such options. Mr. Richards serves as a director on our Board of Directors.
- (56) Mr. Robert R. Penn has voting and investment power with respect to the securities owned by Tortuga Oil & Gas, L.P.
- (57) Mr. Andrew K. Rooke is the President of the Withington Foundation and has voting and investment power with respect to the securities owned by the Withington Foundation. Mr. Rooke serves as a director on our Board of Directors.
- (58) Mr. Jason M. Wood has voting and investment power with respect to the shares owned by the Wood Family Trust.

Relationships with Selling Securityholders

Except as disclosed in the table above, to our knowledge, none of the selling securityholders had any position, office, or other material relationship with us or any of our affiliates within the past three years.

PLAN OF DISTRIBUTION

The selling securityholders, which as used herein includes donees, pledgees, transferees or other successors-in-interest selling shares of common stock or interests in shares of common stock received after the date of this prospectus from a selling securityholder as a gift, pledge, partnership distribution or other transfer, may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of common stock or interests in shares of

common stock on any stock exchange, market or trading facility on which the shares are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices.

The selling securityholders may use any one or more of the following methods when disposing of shares or interests therein:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the shares as agent, but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- settlement of short sales;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- broker-dealers may agree with the selling securityholders to sell a specified number of such shares at a stipulated price per share;
- a combination of any such methods of sale; and
- any other method permitted by applicable law.

The selling securityholders may, from time to time, pledge or grant a security interest in some or all of the shares of common stock owned by them and, if they default in the performance of their secured obligations, the pledgees or secured parties may offer and sell the shares of common stock, from time to time, under this prospectus, or under an amendment to this prospectus under Rule 424(b) or other applicable provision of the Securities Act amending the list of selling securityholders to include the pledgee, transferee or other successors-in-interest as selling securityholders under this prospectus. The selling securityholders also may transfer the shares of common stock in other circumstances, in which case the transferees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

In connection with the sale of our common stock or interests therein, the selling securityholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the common stock in the course of hedging the positions they assume. The selling securityholders may also sell shares of our common stock short and deliver these securities to close out their short positions, or loan or pledge the common stock to broker-dealers that in turn may sell these securities. The selling securityholders may also enter into option or other transactions with broker-dealers or other financial institutions or the creation of one or more derivative securities which require the delivery to such broker-dealer or other financial institution of shares offered by this prospectus, which shares such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The aggregate proceeds to the selling securityholders from the sale of the common stock offered by them will be the purchase price of the common stock less discounts or commissions, if any. Each of the selling securityholders reserves the right to accept and, together with their agents from time to time, to reject, in whole or in part, any proposed purchase of common stock to be made directly or through agents. We will not receive any of the proceeds from this offering. Upon any exercise of the warrants by payment of cash, however, we will receive the exercise price of the warrants.

The selling securityholders also may resell all or a portion of the shares in open market transactions in reliance upon Rule 144 under the Securities Act of 1933, provided that they meet the criteria and conform to the requirements of that rule.

The selling securityholders and any underwriters, broker-dealers or agents that participate in the sale of the common stock or interests therein may be “underwriters” within the meaning of Section 2(11) of the Securities Act. Any discounts, commissions, concessions or profit they earn on any resale of the shares may be underwriting discounts and commissions under the Securities Act. Selling securityholders who are “underwriters” within the meaning of Section 2(11) of the Securities Act will be subject to the prospectus delivery requirements of the Securities Act.

To the extent required, the shares of our common stock to be sold, the names of the selling securityholders, the respective purchase prices and public offering prices, the names of any agent, dealer or underwriter, and any applicable commissions or discounts with respect to a particular offer will be set forth in an accompanying prospectus supplement or, if appropriate, a post-effective amendment to the registration statement that includes this prospectus.

In order to comply with the securities laws of some states, if applicable, the common stock may be sold in these jurisdictions only through registered or licensed brokers or dealers. In addition, in some states the common stock may not be sold unless it has been registered or qualified for sale or an exemption from registration or qualification requirements is available and is complied with.

We have advised the selling securityholders that the anti-manipulation rules of Regulation M under the Securities Exchange Act of 1934 may apply to sales of shares in the market and to the activities of the selling securityholders and their affiliates. In addition, to the extent applicable, we will make copies of this prospectus (as it may be supplemented or amended from time to time) available to the selling securityholders for the purpose of satisfying the prospectus delivery requirements of the Securities Act. The selling securityholders may indemnify any broker-dealer that participates in transactions involving the sale of the shares against certain liabilities, including liabilities arising under the Securities Act.

We have agreed to indemnify the selling securityholders against liabilities, including liabilities under the Securities Act and state securities laws, relating to the registration of the shares offered by this prospectus.

We have agreed with the selling securityholders to keep the registration statement of which this prospectus constitutes a part effective until the earlier of: (1) such time as all of the shares covered by this prospectus have been disposed of pursuant to and in accordance with the registration statement; or (2) the date on which all of the shares may be sold without restriction pursuant to Rule 144 of the Securities Act.

MARKET PRICE AND DIVIDENDS ON COMMON EQUITY AND RELATED STOCKHOLDER MATTERS

Market Information

Our common stock has been traded on the over-the-counter market since May 21, 2012, under the symbol “MRIC.” The following table provides the high and low bid information for our common stock during the periods indicated. This bid information reflects inter-dealer prices, without retail mark-up, mark-down or commission and may not represent actual transactions. Prior to May 21, 2012, there was no established public trading market for our common stock.

Quarter Ended	High Bid	Low Bid
Fiscal 2015		
Fourth Quarter 2015 (through December 31, 2015)	\$0.66	\$0.32
Third Quarter 2015 (through September 30, 2015)	\$1.12	\$0.60

Second Quarter 2015 (through June 30, 2015)	\$1.46	\$0.94
First Quarter 2015 (through March 31, 2015)	\$1.07	\$0.71
Fiscal 2014		
Fourth Quarter 2014 (through December 31, 2014)	\$1.34	\$0.74
Third Quarter 2014 (through September 30, 2014)	\$1.28	\$0.86
Second Quarter 2014 (through June 30, 2014)	\$1.38	\$0.65
First Quarter 2014 (through March 31, 2014)	\$1.58	\$1.15

Holders

As of December 31, 2015, we had 91,381,488 shares of common stock outstanding and no shares of preferred stock outstanding. As of December 31, 2015, we had approximately 600 stockholders of record. In addition, as of December 31, 2015, options and warrants to purchase 44,106,490 shares of common stock were outstanding.

Dividend Policy

We have never declared or paid cash dividends on our capital stock. We currently intend to retain all future earnings for the operation and expansion of our business and, therefore, do not anticipate declaring or paying cash dividends in the foreseeable future. The payment of dividends will be at the discretion of our Board of Directors and will depend on our results of operations, capital requirements, financial condition, prospects, contractual arrangements, any limitations on payments of dividends present in any of our future debt agreements and other factors our Board of Directors may deem relevant.

Equity Compensation Plan Information

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights	Weighted-average exercise price of outstanding options, warrants and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
	(a)	(b)	(c)
Equity compensation plans approved by stockholders (1)	5,911,309	\$1.12	3,400,647
Equity compensation plans not approved by stockholders (1)(2)(3)(4)(5)(6)(7)(8)	6,010,000	\$1.35	—
Total	11,921,309	\$1.24	3,400,647

(1) The information presented in this table is as of December 31, 2015.

(2) We adopted our 2010 Non-Qualified Stock Option Plan in December 2010. The plan provided for the issuance of non-qualified stock options to purchase up to 2,565,675 shares of our common stock. We ceased making awards under the plan upon the adoption of our 2012 Incentive Compensation Plan. As of December 31, 2015, options to purchase 2,145,000 shares of our common stock were outstanding under the 2010 Non-Qualified Stock Option Plan.

- (3) In November 2012 and November 2014, we entered into written compensatory contracts with Robert C. Korn, our Vice President, Sales, pursuant to which we awarded Mr. Korn non-qualified stock options to purchase 150,000 shares and 100,000 shares, respectively, of our common stock.
- (4) In December 2013, we entered into written compensatory contracts with an employee and a non-employee director pursuant to which we awarded those individuals non-qualified stock options to purchase 75,000 shares and 125,000 shares, respectively, of our common stock.
- (5) In December 2013, we adopted our 2013 Non-Employee Director Equity Incentive Plan. The plan provides for the issuance of awards with respect to an aggregate of 570,000 shares of our common stock. As of December 31, 2015, 415,000 were outstanding under the 2013 Non-Employee Director Equity Incentive Plan.
- (6) In October 2014, we entered into a written compensatory contract with Francis P. Grillo, our Chief Executive Officer, pursuant to which we awarded Mr. Grillo non-qualified stock options to purchase 2,400,000 shares of our common stock.
- (7) In December 2014, we entered into a written compensatory contract with Wendelin C. Maners, our Vice President, Marketing, pursuant to which we awarded Ms. Maners non-qualified stock options to purchase 350,000 shares of our common stock.
- (8) In March 2015, we entered into a written compensatory contract with Harold A. Hurwitz, our Chief Financial Officer, pursuant to which we awarded Ms. Hurwitz non-qualified stock options to purchase 450,000 shares of our common stock.

MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis of our financial condition and results of operations should be read together with our financial statements and related notes included elsewhere in this prospectus. This discussion and analysis contains forward-looking statements that are based upon current expectations and involve risks, assumptions and uncertainties. You should review the "Risk Factors" section of this prospectus for a discussion of important factors that could cause actual results to differ materially from the results described in or implied by the forward-looking statements described in the following discussion and analysis.

Overview

We are a medical device company that develops and commercializes innovative platforms for performing minimally invasive surgical procedures in the brain and heart under direct, intra-procedural MRI guidance. We have two product platforms. Our ClearPoint system, which is in commercial use, is used to perform minimally invasive surgical procedures in the brain. We anticipate that our ClearTrace system, which is a product candidate still in development, will be used to perform minimally invasive surgical procedures in the heart. In 2015, we suspended development of the ClearTrace system so that we could focus our resources on the ClearPoint system. Both systems utilize intra-procedural MRI to guide the procedures and are designed to work in a hospital's existing MRI suite. We believe that our two product platforms, subject to appropriate regulatory clearance and approval, will deliver better patient outcomes, enhance revenue potential for both physicians and hospitals, and reduce costs to the healthcare system.

In 2010, we received regulatory clearance from the FDA to market our ClearPoint system in the U.S. for general neurological procedures. In 2011, we also obtained CE marking approval for our ClearPoint system, which enables us to sell our ClearPoint system in the European Union. Substantially all of our product revenues for the nine months ended September 30, 2015 and 2014 and the years ended December 31, 2014 and 2013 relate to sales of our ClearPoint system products. We do not have regulatory clearance or approval to sell our ClearTrace system for commercial use; however, in 2014 we recognized an isolated sale of certain ClearTrace system components to a research site for non-commercial use. We have financed our operations and internal growth primarily through the sale of equity securities, the issuance of convertible and other secured notes, and license arrangements. We have incurred significant losses since our inception in 1998 as we have devoted substantial efforts to research and development. As of September 30, 2015, we had an accumulated deficit of \$84.5 million. We may continue to incur operating losses as we commercialize our ClearPoint system products, continue to develop our ClearTrace system, and expand our business.

Factors Which May Influence Future Results of Operations

The following is a description of factors which may influence our future results of operations, and which we believe are important to an understanding of our business and results of operations.

Revenues

In June 2010, we received 510(k) clearance from the FDA to market our ClearPoint system in the U.S. for general neurological procedures. Future revenues from sales of our ClearPoint system products are difficult to predict and may not be sufficient to offset our continuing research and development expenses and our increasing selling, general and administrative expenses. We cannot sell our ClearTrace system for commercial use until we receive regulatory clearance or approval.

Generating recurring revenues from the sale of disposable products is an important part of our business model for our ClearPoint system. We anticipate that, over time, recurring revenues will constitute an increasing percentage of our total revenues as we leverage installations of our ClearPoint system to generate recurring sales of our ClearPoint disposable products. Our product revenues were \$2.9 million for the nine months ended September 30, 2015 and \$3.4 million for the year ended December 31, 2014, and were almost exclusively related to our ClearPoint system.

Our revenue recognition policies are more fully described in the “Critical Accounting Policies and Significant Judgments and Estimates” section below.

Cost of Product Revenues

Cost of product revenues includes the direct costs associated with the assembly and purchase of components for disposable products and ClearPoint system reusable products which we have sold, and for which we have recognized the revenue in accordance with our revenue recognition policy. Cost of product revenues also includes the allocation of manufacturing overhead costs and depreciation of loaned systems installed under our ClearPoint Placement Program, as well as provisions for obsolete, impaired, or excess inventory. Cost of product revenues also includes similar applicable costs associated with the sale of any ClearTrace system components for non-commercial use.

Research and Development Costs

Our research and development costs consist primarily of costs associated with the conceptualization, design, testing, and prototyping of our ClearPoint system products and our ClearTrace system components. Such costs include salaries, travel, and benefits for research and development personnel, including related share-based compensation; materials and laboratory supplies in research and development activities; consultant costs; sponsored research and product development with third parties; and licensing costs related to technology not yet commercialized. We anticipate that, over time, our research and development expenses may increase as we: (1) continue to develop enhancements to our ClearPoint system; (2) resume our ClearTrace system product development efforts; and (3) expand our research to apply our technologies to additional product applications. From our inception through September 30, 2015, we have incurred approximately \$44 million in research and development expenses.

Product development timelines, likelihood of success, and total costs can vary widely by product candidate. There are also risks inherent in the regulatory clearance and approval process. At this time, we are unable to estimate with any certainty the costs that we will incur in the continuing development of our ClearTrace system for commercialization.

Selling, General and Administrative Expenses

Our selling, general and administrative expenses consist primarily of salaries, incentive-based compensation, travel and benefits, including related share-based compensation; marketing costs; professional fees, including fees for attorneys and outside accountants; occupancy costs; insurance; medical device excise taxes; and other general and administrative expenses, which include, but are not limited to, corporate licenses, director fees,

hiring costs, taxes, postage, office supplies and meeting costs. Our selling, general and administrative expenses are expected to increase due to costs associated with the commercialization of our ClearPoint system and the increased headcount necessary to support growth in operations.

Critical Accounting Policies and Significant Judgments and Estimates

Our management's discussion and analysis of our financial condition and results of operations are based on our financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States, or GAAP. The preparation of these financial statements requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities as of the date of the financial statements as well as the reported expenses during the reporting periods. The accounting estimates that require our most significant, difficult and subjective judgments have an impact on revenue recognition, computation of the fair value of our derivative liabilities and the determination of share-based compensation and financial instruments. We evaluate our estimates and judgments on an ongoing basis. Actual results may differ materially from these estimates under different assumptions or conditions.

While our significant accounting policies are more fully described in Note 2 to our audited financial statements included elsewhere in this prospectus, we believe that the following accounting policies and estimates are most critical to a full understanding and evaluation of our reported financial results.

Revenue Recognition. Our revenues are comprised of: (1) product revenues resulting from the sale of ClearPoint system reusable products and disposable products; (2) license and development arrangements; (3) development service revenues; and (4) other service revenues. We recognize revenue when persuasive evidence of an arrangement exists, the selling price or fee is fixed or determinable, collection is reasonably assured, and, for product revenues, risk of loss has transferred to the customer. For all sales, we require either a purchase agreement or a purchase order as evidence of an arrangement. We analyze revenue recognition on an agreement by agreement basis. We determine if the deliverables under the arrangement represent separate units of accounting as defined by GAAP. Application of GAAP regarding multiple-element arrangements requires us to make subjective judgments about the values of the individual elements and whether delivered elements are separable from the other aspects of the contractual relationship.

(1) Product Revenues — Sales of ClearPoint system reusable products: Generally, revenues related to ClearPoint system reusable product sales are recognized upon installation of the system and the completion of training of at least one of the customer's physicians, which typically occurs concurrently with the installation. Reusable products include software which is integral to the utility of the ClearPoint system as a whole. Sales of reusable products that have stand-alone value to the customer are recognized when risk of loss passes to the customer. Sales of ClearPoint reusable products to a distributor that has been trained to perform system installations and to conduct physician training are recognized at the time risk of loss passes to the distributor.

Sales of disposable products: Revenues from the sale of disposable products, including ClearPoint system disposable products, are recognized at the time risk of loss passes to the customer, which is generally at shipping point or upon delivery to the customer's location, depending on the agreed upon terms with the customer.

(2) License and Development Arrangements — We defer recognition of non-refundable upfront license fees if there are continuing performance obligations without which the technology, know-how, rights, products or services conveyed in conjunction with the non-refundable fees have no utility to the licensee that could be considered separate and independent of our performance under other elements of the arrangement.

(3) *Development Service Revenues* — We entered into an agreement to provide development services to a third party. Under the agreement, we earned revenue equal to costs incurred for outside expenses related to the development services provided, plus actual direct internal labor costs (including the cost of employee benefits), plus an overhead markup of the direct internal labor costs incurred. Revenue was recognized in the period in which we incurred the related costs.

(4) *Other Service Revenues* — Other service revenues are comprised of installation fees, training fees, shipping fees and service fees charged in connection with ClearPoint system installations and ClearPoint system service agreements. Typically, we will bill upfront for service agreements, which have terms ranging from one to three years. These amounts are recognized as revenues ratably over the term of the related service agreement.

Inventory. Inventory is carried at the lower of cost (first-in, first-out method) or net realizable value. All items included in inventory relate to our ClearPoint system. Software license inventory that is not expected to be utilized within the next twelve months is classified as a non-current asset. We periodically review our inventory for obsolete items and provide a reserve upon identification of potential obsolete items.

Derivative Liability for Warrants to Purchase Common Stock. Our derivative liabilities for warrants represent the fair value of warrants issued in connection with certain private placements of shares our common stock. The fair values of these warrants are presented as liabilities based on certain net cash settlement and exercise price reset, or “down round,” provisions. These derivative liabilities, which are recorded on our consolidated balance sheets, are calculated utilizing the Monte Carlo simulation valuation method. Changes in the fair values of these warrants are recognized as other income or expense in the related statement of operations.

Share-Based Compensation. We account for compensation for all arrangements under which employees and others receive shares of stock or other equity instruments (including options and warrants) based on fair value. The fair value of each award is estimated as of the grant date and amortized as compensation expense over the requisite vesting period. The fair values of our share-based awards are estimated on the grant dates using the Black-Scholes valuation model. This valuation model requires the input of highly subjective assumptions, including the expected stock volatility, estimated award terms and risk-free interest rates for the expected terms. To estimate the expected terms, we utilize the “simplified” method for “plain vanilla” options discussed in the SEC’s Staff Accounting Bulletin 107, or SAB 107. We believe that all factors listed within SAB 107 as pre-requisites for utilizing the simplified method apply to us and to our share-based compensation arrangements. We intend to utilize the simplified method for the foreseeable future until more detailed information about exercise behavior becomes available. We based our estimate of expected volatility on the average of historical volatilities of publicly traded companies we deemed similar to us because we lack our own relevant historical volatility data. We will consistently apply this methodology until we have sufficient historical information regarding the volatility of our own share prices to use as the input for all of our share-based fair value calculations. We utilize risk-free interest rates based on a zero-coupon U.S. treasury instrument, the term of which is consistent with the expected term of the share-based award. We have not paid, and do not anticipate paying, cash dividends on shares of our common stock; therefore, the expected dividend yield is assumed to be zero.

Research and Development Costs. Costs related to research, design and development of products are charged to research and development expense as incurred. These costs include direct salary and employee benefit-related costs for research and development personnel, costs for materials used in research and development activities, sponsored research and costs for outside services. Since most of the expenses associated with our development service revenues relate to existing internal resources, these amounts are included in research and development costs.

Results of Operations

Nine Months Ended September 30, 2015 Compared to the Nine Months Ended September 30, 2014

	Nine Months Ended September 30,		
	2015	2014	Percentage Change
Product and other service revenues	\$ 3,056,736	\$ 2,540,794	20%
Development service revenues	25,842	103,846	(75)%
Cost of product revenues	1,340,824	1,243,472	8%
Research and development costs	1,434,723	2,589,410	(45)%
Selling, general and administrative expenses	6,608,829	5,792,241	14%
Restructuring charges	1,252,584	—	NM
Gain on sale of intellectual property	—	(4,338,601)	100%
Other income (expense):			
Gain (loss) on change in fair value of derivative liabilities	981,222	578,179	70%
Other income, net	243,505	167,614	45%
Interest expense, net	(921,156)	(713,831)	27%
Net loss	<u>\$ (7,250,811)</u>	<u>\$ (2,609,920)</u>	<u>178%</u>

NM = not meaningful

Product and Other Service Revenues. Product and other service revenues were \$3.1 million for the nine months ended September 30, 2015, and \$2.5 million for the same period in 2014, an increase of \$500,000, or 20%.

ClearPoint disposable product sales for the nine months ended September 30, 2015 were \$2.5 million, compared with \$1.9 million for the same period in 2014, representing an increase of \$600,000, or 30%. This increase was due primarily to a greater number of procedures performed using our ClearPoint system within a larger installed base for ClearPoint in the 2015 period, relative to the same period in 2014.

ClearPoint reusable product sales for the nine months ended September 30, 2015 were \$469,000, compared with \$492,000 for the same period in 2014, representing a decrease of \$23,000, or 5%. Sales of our reusable products, which consist primarily of computer hardware and software bearing sales prices that are appreciably higher than those for disposable products, may vary, sometimes significantly, from period to period.

During the nine months ended September 30, 2014, \$56,000 in ClearTrace system components were sold to a research site for non-commercial use. No such sales occurred during the nine months ended September 30, 2015.

Development Service Revenues. During the nine months ended September 30, 2015, we recorded development service revenues of \$26,000, as compared with \$104,000 during the nine months ended September 30, 2014. The change reflects the completion of a development project we performed on a contract basis in 2014. We do not expect development service revenues to be a long-term ongoing source of revenues.

Cost of Product Revenues. Cost of product revenues was \$1.3 million for nine months ended September 30, 2015, representing gross margin on product revenues of 55%, compared to \$1.2 million for the same period last year, representing gross margin of 49%. The increase in gross margin was due primarily to (a) increases in average unit selling prices and decreases in average unit costs due to more favorable pricing from vendors resulting from higher order quantities, and (b) lower production variances commensurate with higher production volumes, during the nine months ended September 30, 2015, when compared to the same period in 2014. Partially offsetting these factors was a \$79,000 increase in the provision for potentially obsolete products as a result of our development of new components related to our ClearPoint system during the nine months ended September 30, 2015.

Research and Development Costs. Research and development costs were \$1.4 million for the nine months ended September 30, 2015, compared to \$2.6 million for the same period last year, a decrease of \$1.2 million, or 45%. Approximately \$592,000 of the decrease related to a reduction in spending on our ClearTrace development program and \$200,000 related to reductions in sponsored research. Commensurate with these decreases, materials and supplies decreased \$162,000 and compensation decreased \$82,000 during the nine months ended September 30, 2015, as compared with the same period in 2014. Also contributing to the decrease were reductions of \$45,000 and \$74,000 related to stock-based compensation and consulting expense, respectively, in the 2015 period, relative to the same period in 2014.

Selling, General and Administrative Expenses. Selling, general and administrative expenses were \$6.6

million for the nine months ended September 30, 2015, compared with \$5.8 million for the same period last year, an increase of \$817,000, or 14%. The increase was primarily attributable an increase during the nine months ended September 30, 2015 in (a) cash compensation costs of approximately \$466,000, a portion of which was associated with overlapping executives' terms of employment so as to provide for a coordinated transition of duties during the period in which we closed our executive offices in Memphis, Tennessee, as more fully discussed below, and (b) an increase in share-based compensation of \$417,000.

Restructuring Charges. In March 2015, we announced the consolidation of all major business functions into our Irvine, California headquarters. In connection with this consolidation, we closed our Memphis, Tennessee office in May 2015. We did not retain any of our Memphis-based employees. A total of seven employees were impacted by the consolidation, including three of our executives, whose termination of employment resulted in a modification in the terms of stock options previously granted to them. In connection with this consolidation, we recorded restructuring charges of \$1.3 million during the nine months ended September 30, 2015, primarily related to severance costs, and to the revaluation of the stock options with modified terms described above and the resulting accrual of additional share-based compensation expense.

Gain on Sale of Intellectual Property. During the nine months ended September 30, 2014, we recorded a gain of \$4.3 million related to the sale of certain intellectual property to Boston Scientific. The purchase price was satisfied through the cancellation of related party convertible notes payable we previously issued to Boston Scientific in the aggregate principal amount of \$4.3 million. We recorded a gain equal to the purchase price, as the assets sold had not been previously recorded on our balance sheet.

Other Income (Expense). During the nine months ended September 30, 2015 and 2014, we recorded gains of \$981,000 and \$578,000, respectively, resulting from changes in the fair value of our derivative liabilities associated with certain warrants we issued in equity private placement transactions.

Net other income was \$244,000 and \$168,000 for the nine months ended September 30, 2015 and 2014, respectively. Most of the other income for the nine months ended September 30, 2015 related to grants received to fund research, and the majority of other income for the nine months ended September 30, 2014 related to negotiated reductions in amounts payable to service providers.

Net interest expense for the nine months ended September 30, 2015 was \$921,000, compared with \$714,000 for the same period in 2014. The increase was due to an increase in the amortization of debt discount and deferred financing costs associated with prior year financing transactions, including the interest, amortization of debt discount and deferred financing costs associated with the notes payable we issued in our March 2014 private placement, the effects of which were recorded during the entire nine months ended September 30, 2015, as compared with the approximate six-month period the debt was outstanding during the nine months ended September 30, 2014.

Comparison of the Year Ended December 31, 2014 to the Year Ended December 31, 2013

<i>(\$s in thousands)</i>	Year Ended December 31,		Percentage Change
	2014	2013	
Product and other service revenues	\$ 3,501	\$ 2,997	17%
Development service revenues	104	284	(63)%
License revenues	-	650	NM
Cost of product revenues	1,927	1,421	36%
Research and development costs	3,297	2,923	13%
Selling, general and administrative expenses	8,039	7,061	14%
Gain on sale of intellectual property	(4,339)	-	NM
Other income (expense):			
Gain on change in fair value of derivative liabilities	1,550	1,686	(8)%
Loss on loan modification	-	(1,356)	NM
Other income, net	252	533	(53)%
Interest expense, net	(1,008)	(475)	112%
Net loss	(4,525)	(7,086)	(36)%

NM= not meaningful

Product and Other Service Revenues. Product and other service revenues were \$3.5 million for the year ended December 31, 2014, and \$3.0 million for the prior year, an increase of \$504,000, or 17%. Product and other service revenues included disposable product sales for the year ended December 31, 2014 of \$2.6 million, compared with \$1.8 million for the same period in 2013, an increase of \$831,000, or 47%. The increase reflected customer purchases of disposable products during the year ended December 31, 2014 for a higher number of performed and anticipated procedures compared with the prior year, as well as the sale of drug delivery catheters we manufactured on a contract basis for a third party. Approximately \$710,000 of the product and other service revenues for the year ended December 31, 2014 related to the sale of ClearPoint system reusable products, compared with \$1.1 million for the prior year, a decrease of \$421,000. Product and other service revenues for the year ended December 31, 2014 also included \$56,000 in ClearTrace system components sold to a research site for non-commercial use. Other service revenues, mostly related to ClearPoint system service agreements and installation services, were \$122,000 for the nine months ended December 31, 2014, and \$82,000 for the prior year.

Development Service Revenues. During the years ended December 31, 2014 and 2013, we recorded development service revenues of \$104,000 and \$284,000, respectively, representing a decrease of \$180,000. The decrease reflects the completion of a development project we performed on a contract basis. We do not expect development service revenues to be an ongoing source of revenues.

License Revenues. License revenues of \$650,000 recorded during the year ended December 31, 2013 related to license fees we received in 2008 from Boston Scientific that were deferred and recognized over the period we estimated for our continued involvement with Boston Scientific's development program for the licensed technology. That period ended on March 31, 2013; thus, all revenues related to the license fees we received in 2008 were recognized as of March 31, 2013.

Cost of Product Revenues. Cost of product revenues was \$1.9 million for the year ended December 31, 2014, compared to \$1.4 million for the prior year, an increase of 36%. The increase in cost of product revenues of 36% was greater than the 17% increase in product revenues as we recorded a higher provision for obsolete and expired products during the year ended December 31, 2014 compared with the prior year. The increase in this provision was approximately \$380,000, representing 75% of the increase in cost of product revenues. The increase in this provision related mostly to reserves recorded for ClearPoint system reusable products that are not compatible with procedures requiring patients to be in the prone, or face down, position. This requirement for prone positioning resulted from expanding the range of procedures in which our ClearPoint system may be used. If we excluded the

increase related to this provision, cost of product revenues would have grown at a lower rate than the rate of growth in product revenues, which is consistent with the shift in product mix. Revenues related to disposable product sales represented a greater percentage of total product revenues for the year ended December 31, 2014, as compared to the prior year. Margins are generally higher on disposable product sales compared to revenues from sales of ClearPoint system reusable products.

Research and Development Costs. Research and development costs were \$3.3 million for the year ended December 31, 2014, compared to \$2.9 million for the prior year, an increase of \$374,000, or 13%. The increase was driven by a \$722,000 increase in expenses related to our ClearTrace system development program, which was partially offset by a decrease in share-based compensation expense of approximately \$255,000 and a \$133,000 decrease in product development costs.

Selling, General and Administrative Expenses. Selling, general and administrative expenses were \$8.0 million for the year ended December 31, 2014, compared with \$7.1 million for the prior year, an increase of \$978,000, or 14%. The overall increase was driven by an \$883,000 increase in sales and marketing expenses, an increase in retention incentives and severance amounts of \$252,000, and a \$176,000 increase in consulting expenses mostly related to a project performed by a healthcare consulting firm. These increases were partially offset by a \$333,000 decrease in share-based compensation expense.

Gain on Sale of Intellectual Property. During the year ended December 31, 2014, we recorded a gain of \$4.3 million related to the sale of certain intellectual property to Boston Scientific. The purchase price was satisfied through the cancellation of related party convertible notes payable we previously issued to Boston Scientific in the aggregate principal amount of \$4.3 million. We recorded a gain equal to the purchase price, as the assets sold had not been previously recorded on our balance sheet.

Other Income (Expense). During the years ended December 31, 2014 and 2013, we recorded gains of \$1.5 million and \$1.7 million, respectively, resulting from changes in the fair value of the derivative liability associated with warrants we issued in certain equity private placement transactions.

During the year ended December 31, 2013, we recorded a loss of \$1.4 million related to the March 2013 Brainlab loan modification, which modification included a \$1.9 million increase to the principal balance of the note, a decrease in the interest rate from 10% to 5.5%, and the elimination of the note's equity conversion feature. The \$1.4 million loss we recorded represented the difference between the carrying amount of the note plus the related accrued interest immediately prior to the loan modification and the fair value of the note immediately following the loan modification.

Net other income was \$252,000 and \$533,000 for the years ended December 31, 2014 and 2013, respectively. Net other income for the year ended December 31, 2014 was attributable mostly to \$188,000 in income under certain Small Business Innovation Research, or SBIR, contracts we were awarded and \$78,000 in negotiated reductions in amounts payable to service providers. Net other income for the year ended December 31, 2013 was primarily related to \$477,000 in negotiated reductions in amounts payable to service providers and \$63,000 in income under an SBIR contract.

Net interest expense for the year ended December 31, 2014 was \$1.0 million, compared with \$475,000 for the prior year. The increase relates mostly to interest on the notes payable we issued in our March 2014 private offering, as well as the amortization of the related debt discount and deferred financing costs associated with that transaction.

Liquidity and Capital Resources

The cumulative net loss from the Company's inception through September 30, 2015 was \$84.5 million. Net cash used in operating activities was \$7.3 million for each of the nine months ended September 30, 2015 and the year ended December 31, 2014. Since inception, the Company has financed its operations principally from the sale of equity securities, the issuance of notes payable and license arrangements. Recent such financing activities consist of: (1) a December 2015 private placement of equity, which resulted in net proceeds of \$4.8 million; (2) a December 2014 private placement of equity, which resulted in net proceeds of \$9.3 million; and (3) a March 2014

private placement of debt and warrants, which resulted in net proceeds of \$3.5 million. In addition, in March 2014, the Company completed a transaction with Boston Scientific that resulted in the cancellation of \$4.3 million in related party convertible notes payable held by Boston Scientific, which were scheduled to mature in 2014 (see Note 5 to our audited and unaudited financial statements included elsewhere in this prospectus).

The Company's plans for the next twelve months reflect management's anticipation of increases in revenues from sales of the ClearPoint system and related disposable products as a result of greater utilization at existing installed sites and the installation of the ClearPoint system at new sites. Management also anticipates maintaining recurring operating expenses at historical levels, with expected decreases in general and administrative expenses, resulting primarily from the operational restructuring discussed in Note 4 to our unaudited financial statements included elsewhere in this prospectus being offset by increases in selling and marketing expenses associated with the anticipated growth in revenues. However, there is no assurance that the Company will be able to achieve its anticipated results, and even in the event such results are achieved, the Company expects to continue to consume cash in its operations over at least the next twelve months. In addition, as discussed in Note 6 to our unaudited financial statements included elsewhere in this prospectus, the Brainlab Note matures in April 2016, with both principal of \$4.3 million and accrued interest of \$740,000 at the maturity date payable in a single installment upon maturity.

As a result of the foregoing, the Company believes it will be necessary to seek additional sources of financing from the sale of equity or debt securities, which likely would result in dilution to the Company's current stockholders, or from the establishment of a credit facility. There is no assurance, however, that the Company will be able to obtain such additional financing on commercially reasonable terms, if at all, and there is no assurance that any additional financing the Company does obtain will be sufficient to meet its needs. If the Company is not able to obtain the additional financing on a timely basis, the Company may be unable to achieve its anticipated results, and the Company may not be able to meet its other obligations as they become due. An inability to obtain a sufficient amount of additional financing would create substantial doubt as to the Company's ability to continue as a going concern.

Cash Flows

Cash activity for the nine months ended September 30, 2015 and 2014 is summarized as follows:

	<u>Nine Months Ended September 30,</u>	
	<u>2015</u>	<u>2014</u>
Cash used in operating activities	\$ (7,320,122)	\$ (5,256,287)
Cash used in investing activities	(72,021)	(11,590)
Cash provided by financing activities	—	3,646,314
Net decrease in cash and cash equivalents	<u>\$ (7,392,144)</u>	<u>\$ (1,621,563)</u>

Net Cash Flows from Operating Activities. We used \$7.3 million and \$5.3 million of cash for operating activities during the nine months ended September 30, 2015 and 2014, respectively.

During the nine months ended September 30, 2015, uses of cash in operating activities primarily consisted of: (a) our \$7.3 million net loss; (b) a reduction of accounts payable and accrued expenses of \$778,000; and (c) increases in accounts receivable of \$368,000, prepaid expenses and other current assets of \$104,000, and other assets of \$10,000. These uses were partially offset by: (x) a decrease in inventory of \$84,000; (y) an increase in deferred revenue of \$63,000; and (z) non-cash expenses included in our loss from operations aggregating \$2.0 million and consisting of depreciation and amortization, share-based compensation, expenses paid through the issuance of common stock, and amortization of debt issuance costs and original issue discounts, partially offset by a \$981,000 decrease in the fair value of our derivative liabilities.

During the nine months ended September 30, 2014, uses of cash in operating activities primarily consisted of: (a) our \$2.6 million net loss; (b) non-cash gains included in net loss aggregating \$4.9 million (principally consisting of a \$4.3 million gain related to the sale of intellectual property in exchange for the cancellation of debt and a \$578,000 gain on change of the fair value of derivative liabilities), partially offset by non-cash expenses

included in net loss aggregating \$1.5 million and consisting of depreciation and amortization, share-based compensation, expenses paid through the issuance of common stock, and amortization of debt issuance costs and original issue discounts; and (c) an increase in inventory of \$658,000. These uses were partially offset by: (y) decreases in accounts receivable of \$222,000 and prepaid expenses and other current assets of \$127,000; and (z) an increase in accounts payable and accrued expenses of \$1.2 million.

Net Cash Flows from Investing Activities. Net cash flows used in investing activities for the nine months ended September 30, 2015 and 2014 were \$72,000 and \$12,000, respectively.

Net Cash Flows from Financing Activities. Net cash provided by financing activities for the nine months ended September 30, 2014 of \$3.6 million related primarily to proceeds from our March 2014 private placement of debt and warrants.

Cash activity for the years ended December 31, 2014 and 2013 is summarized as follows:

<i>((\$ in thousands)</i>	Years Ended December 31,	
	2014	2013
Cash used in operating activities	\$ (7,250)	\$ (7,778)
Cash used in investing activities	(48)	(174)
Cash provided by financing activities	13,026	9,848
Net increase in cash and cash equivalents	<u>\$ 5,728</u>	<u>\$ 1,896</u>

Net Cash Flows from Operating Activities. We used \$7.3 million and \$7.8 million of cash for operating activities during the years ended December 31, 2014 and 2013, respectively. Net cash used in operating activities during the year ended December 31, 2014 primarily reflected our \$5.3 million loss from operations, plus the gain on the sale of intellectual property of \$4.3 million, plus the \$464,000 portion of the increase in accrued expenses related to accrued interest, plus the \$346,000 increase in inventory, less a \$1.1 million increase in accounts payable and accrued expenses, less \$881,000 in share-based compensation, less \$411,000 related to expenses paid through the issuance of common stock, and less \$377,000 in depreciation and license amortization.

Net cash used in operating activities during the year ended December 31, 2013 primarily reflected our \$7.5 million operating loss, plus the \$656,000 change from the prior year end deferred revenue balance, plus the \$696,000 reduction in accounts payable and accrued expenses, plus the \$310,000 growth in inventory, plus the \$325,000 increase in accounts receivable, plus a \$228,000 increase in accrued expenses related to accrued interest, but less \$1.5 million in share-based compensation and \$426,000 for depreciation and amortization. All of the changes noted for both years exclude the impact of non-cash changes.

Net Cash Flows from Investing Activities. Net cash flows used in investing activities for the years ended December 31, 2014 and 2013 were \$48,000 and \$174,000, respectively.

Net Cash Flows from Financing Activities. Net cash provided by financing activities for the year ended December 31, 2014 related primarily to the \$9.4 million of net proceeds generated from our December 2014 private placement and the \$3.5 million in net proceeds related to our March 2014 private placement. Net cash provided by financing activities for the year ended December 31, 2013 related to \$9.8 million in net proceeds from our January 2013 private placement.

Operating Capital and Capital Expenditure Requirements

To date, we have not achieved profitability. We could continue to incur net losses as we continue our efforts to expand the commercialization of our ClearPoint system products, develop our ClearTrace system, and pursue additional applications for our technology platforms. Our cash balances are typically held in a variety of

interest bearing instruments, including interest bearing demand accounts and certificates of deposit. Cash in excess of immediate requirements is invested primarily with a view to liquidity and capital preservation.

Because of the numerous risks and uncertainties associated with the development and commercialization of medical devices, we are unable to estimate the exact amounts of capital outlays and operating expenditures necessary to successfully commercialize our ClearPoint system products and complete the development of our ClearTrace system. Our future capital requirements will depend on many factors, including, but not limited to, the following:

- the timing of broader market acceptance and adoption of our ClearPoint system products;
- the scope, rate of progress and cost of our ongoing product development activities relating to our ClearPoint system;
- the cost and timing of expanding our sales, clinical support, marketing and distribution capabilities, and other corporate infrastructure;
- the cost and timing of establishing inventories at levels sufficient to support our sales;
- the effect of competing technological and market developments;
- the terms and timing of any future collaborative, licensing or other arrangements that we may establish;
- the scope, rate of progress and cost of our research and development activities relating to our ClearTrace system;
- the cost and timing of any clinical trials;
- the cost and timing of regulatory filings, clearances and approvals; and
- the cost of filing, prosecuting, defending and enforcing any patent claims and other intellectual property rights.

BUSINESS

Overview

We are a medical device company that develops and commercializes innovative platforms for performing minimally invasive surgical procedures in the brain and heart under direct, intra-procedural magnetic resonance imaging, or MRI, guidance. Since our inception in 1998, we have focused on research and product development in the field of interventional MRI. From 1998 to 2002, we deployed significant resources to fund our efforts to develop the foundational capabilities for enabling MRI-guided interventions and to build an intellectual property position. In 2003, our focus shifted to identifying and building out commercial applications for the technologies we developed in prior years.

We have two product platforms. Our ClearPoint system, which is in commercial use in the United States, is used to perform minimally invasive surgical procedures in the brain. We anticipate that our ClearTrace system, which is a product candidate still in development, will be used to perform minimally invasive surgical procedures in the heart. Both systems utilize intra-procedural MRI to guide the procedures. Both systems are designed to work in a hospital's existing MRI suite.

Our products are designed to provide a new, minimally invasive surgical approach to address large patient populations for whom we believe current surgical techniques are deficient. Our ClearPoint system is a neuro-navigation system designed for placing catheters and electrodes to treat a variety of neurological diseases and conditions and for performing biopsies. Our ClearTrace system is designed to deliver catheter-based therapies to

treat certain cardiac diseases. We believe that our two product platforms, subject to appropriate regulatory clearance and approval, will provide better patient outcomes, enhance revenue potential for both physicians and hospitals, and reduce costs to the healthcare system.

- *Better Patient Outcomes.* We believe that if a physician can see the surgical field, the surgical instruments and the patient's anatomy all at the same time and in the same "imaging space," the physician can more efficiently perform a surgical intervention in the brain or heart. Our product platforms, subject to appropriate regulatory clearance or approval, are designed to enable physicians to see the target site, guide the surgical instrument to the site, deliver the therapy, monitor for adverse events and complications and confirm the desired results of the procedure, all under high resolution, intra-procedural MRI guidance. We believe that these capabilities will translate directly into better outcomes for the patients undergoing the procedures due to improved efficiency, the potential for the reduction of adverse events and side effects, as well as the potential for faster recovery times.
- *Enhance Revenue Potential.* By providing direct, intra-procedural visualization, we believe our ClearPoint system can reduce the amount of time needed to perform the procedures for which it was designed. As a result, we believe that our ClearPoint system may improve the overall economics of the procedures for both the performing physician and the hospital. We believe that our ClearPoint system may also enable a physician to treat more patients in a given period of time, and treat patients who would otherwise not be able to be treated utilizing current surgical techniques.
- *Reduce Costs to the Healthcare System.* We believe that use of our products may result in more efficient utilization of healthcare resources and physician time. For example, our product platforms are designed to work in a hospital's existing MRI suite, which adds additional utility for an infrastructure investment that has already been made by the hospital. Further, if patient outcomes and procedure efficiencies are improved by use of our products, we believe that the result will be a reduction in overall healthcare costs.

Our ClearPoint system is in commercial use. In June 2010, we received 510(k) clearance from the Food and Drug Administration, or FDA, to market our ClearPoint system in the United States for general neurological interventional procedures. In February 2011, we also obtained CE marking approval, which enables us to sell the ClearPoint system in the European Union. In April 2011, we entered into a co-development and distribution agreement with Brainlab, a leader in the image-guided surgery field, under which Brainlab serves as a distribution partner for our ClearPoint system. The ClearPoint system is intended to provide stereotactic guidance for the placement and operation of instruments or devices during planning and operation of neurological procedures within the MRI environment and in conjunction with MRI guidance. It is intended as an integral part of procedures that have traditionally used stereotactic methodologies. Those procedures include placement of electrodes, such as deep brain stimulation leads and depth electrodes, the placement of catheters, such as laser ablation catheters and drug delivery catheters, and biopsies. ClearPoint systems are in clinical use with MRI scanners from the three major manufacturers, Siemens, GE Healthcare and Philips Healthcare, as well as the two major interventional MR/OR platforms that are manufactured by IMRIS and Brainlab.

Our ClearTrace system, a product candidate still in development, is designed to allow catheter-based minimally invasive procedures in the heart to be performed using continuous, intra-procedural MRI guidance. In May 2009, we entered into an exclusive development agreement with Siemens under which initial work related to the development of hardware and software needed for MRI-guided, catheter-based ablation procedures to treat cardiac arrhythmias, such as atrial fibrillation, was performed. Working closely with us, Siemens created a research version of the software platform specifically for use in MRI-guided cardiac ablation procedures with our catheters. In February 2014, we entered into a new exclusive development agreement with Siemens, which replaced our May 2009 agreement. The new development agreement contemplates that, with cooperation, assistance and technical support from Siemens, we would develop the commercial version of the research software platform created by Siemens under our original agreement, which software would serve as the software component of our ClearTrace system. In 2015, we suspended our development activities on the ClearTrace system so that we could focus our resources on the ClearPoint system, and we have not made any filings seeking regulatory clearance or approval for our ClearTrace system. We expect the initial market for our ClearTrace system will be the European Union.

We have a significant intellectual property portfolio in the field of MRI-guided interventions. As of December 31, 2015, our portfolio included 68 United States patents and 37 United States patent applications, which we wholly-own, co-own or have licensed. We also hold various foreign patents and patent applications that correspond with many of our United States patents and patent applications. Our technologies have been the subject of numerous peer-reviewed articles in medical and scientific journals. As a result of our product offerings, collaborative relationships and intellectual property position, we believe that we are well-positioned to remain on the forefront of the emerging market for MRI-guided minimally invasive surgical procedures.

Industry Background

Magnetic Resonance Imaging

MRI is a widely practiced imaging technique that uses spatially varying magnetic fields to produce images of the human anatomy. Hydrogen nuclei, present in molecules throughout the body, are slightly magnetic. When placed in large external magnetic fields, they can be induced to emit or resonate radio frequency signals. These radio frequency signals are used to construct images of human anatomy, including high resolution images of soft tissue.

MRI has important and advantageous properties that differentiate it from other imaging methods. MRI scans can provide images of any part of the body, in any plane of view, and offer more detailed information than other modalities, including fluoroscopy and computed tomography. Some of the unique advantages of MRI include:

- soft tissue imaging that enables superior tissue visualization and enhanced differentiation between healthy and diseased tissues;
- unlimited orientation and positioning of the imaging plane;
- ability to directly acquire volumetric (three dimensional) data sets;
- ability to evaluate both the structure and certain functions of internal organs; and
- no harmful ionizing radiation exposure for either the patient or the physician.

There are approximately 4,500 1.5T MRI scanners and approximately 550 3T MRI scanners installed in hospitals throughout the United States. MRI scanners are available in a number of different configurations and field strengths, which refers to the strength of the magnet used to create the magnetic field. Magnetic field strength is measured in Tesla, or T. The most common field strength for MRI scanners is 1.5T. Higher field strength scanners such as 3T MRI scanners are gaining commercial market adoption, offering faster scanner speeds and even higher resolution images than 1.5T MRI scanners.

Minimally Invasive Surgical Procedures

Over the past few decades, one of the most significant medical trends has been the development of minimally invasive surgical methods and techniques. As its name implies, a minimally invasive procedure is a less invasive approach than open surgery. Minimally invasive procedures typically involve use of laparoscopic devices, catheter-based devices or remote-control manipulation of instruments once inside the body. Minimally invasive procedures in the brain have typically been performed using a complex technique known as stereotactic neurosurgery, under which a physician merges pre-operative images and data with specialized surgical instruments to help guide the surgical procedure in the brain.

Our Current Products and Product Candidates

ClearPoint Neuro Intervention System

General

Our ClearPoint system is designed to allow minimally invasive procedures in the brain to be performed in a hospital's existing MRI suite. The ClearPoint system provides guidance for the placement and operation of instruments or devices during the planning and operation of neurological procedures performed within the MRI suite using MRI guidance. Our ClearPoint system is intended to be used as an integral part of procedures, such as biopsies and the insertion of catheters and electrodes, which have traditionally been performed using stereotactic methodologies. Our ClearPoint system is intended to be used with both 1.5T and 3T MRI scanners. Our research efforts for our ClearPoint system began in 2003, and in June 2010, we received 510(k) clearance from the FDA to market our ClearPoint system in the United States for general neurological interventional procedures. In February 2011, we also obtained CE marking approval for our ClearPoint system. The CE mark is an international symbol of adherence to quality assurance standards and compliance with applicable European Union medical device directives, and it allows us to market the ClearPoint system in the European Union. Today, ClearPoint systems are in clinical use with MRI scanners from the three major manufacturers, Siemens, GE Healthcare and Philips Healthcare, as well as the two major interventional MR/OR platforms, which are manufactured by IMRIS and Brainlab.

In April 2011, we entered into a co-development and distribution agreement with Brainlab, which we believe is a leader in the development of software-driven medical technology that supports targeted, less-invasive patient treatment. Under that agreement, we appointed Brainlab as a distributor of our ClearPoint system products, on a non-exclusive basis, in the United States and Europe. We also agreed to collaborate on the potential integration of our ClearPoint system technologies with Brainlab's own interventional MRI technologies, with particular focus on direct delivery of drugs and other therapeutic agents to targets in the brain under MRI guidance, which we call the MRI-guided neurological drug delivery field of use. For that reason, we appointed Brainlab as our exclusive distributor of ClearPoint system products within the MRI-guided neurological drug delivery field of use.

The Need for Minimally Invasive Neurological Interventions

Millions of people suffer from neurological diseases including: movement disorders such as Parkinson's disease, essential tremor and dystonia; psychiatric disorders such as major depression, obsessive compulsive disorder and Alzheimer's disease; and brain tumors, such as glioblastoma multiforme. The first line of therapy for most of these conditions is systemic administration of drugs. For example, to treat the early stages of Parkinson's disease, a patient is often prescribed a drug called levodopa. Drugs such as levodopa can be effective in the earlier stages of the disease; however, as the disease progresses, systemic drugs may become less effective, and potentially ineffective, in treating the patient. Given the shortcomings of systemic drugs like levodopa, the medical community has focused significant resources to find new non-systemic or "local" therapies to treat these patients.

The development activity in, and the use of, local therapies is growing. For example, drug companies and researchers have identified and are investigating various compounds that are delivered directly into the diseased area of the brain, such as directly into the center of a tumor in the brain. Similarly, the medical community has developed a technique commonly referred to as focal lesioning, under which a special probe is inserted into a target area of the brain and a small area of diseased brain tissue is then destroyed by applying laser energy or radio frequency energy through the tip of the special probe. Physicians perform this procedure to treat disorders such as Parkinson's disease, essential tremor and epilepsy. The medical community has also developed another local therapy known as deep brain stimulation, or DBS. DBS uses mild electrical pulses from an implanted device to stimulate a small target region in the brain. A DBS system looks and operates much like a cardiac pacemaker, except that instead of sending pulses to the heart, it delivers electrical stimulation through the electrodes placed at a precisely targeted area in the brain. The FDA has approved the use of DBS for the treatment of Parkinson's disease and essential tremor. The FDA has also approved the use of DBS for the treatment of dystonia and obsessive compulsive disorder pursuant to humanitarian device exemptions. DBS is also being investigated as a therapy for other neurological disorders, such as epilepsy, treatment-resistant major depression and Alzheimer's disease.

These local therapies, among others, involve insertion of a catheter, probe or electrode into a target region of the brain, typically performed as a minimally invasive procedure. However, performing these minimally invasive

interventions in the brain presents special challenges, including a need to reach a small therapeutic target often located deep within the brain, which target is often an area as small as a few millimeters in diameter. To reach these targets, the physician must act with precision to avoid damaging adjacent areas that are responsible for important neurological functions, such as memory or speech, or penetrating blood vessels which can lead to a life-threatening hemorrhage. The medical community developed stereotactic neurosurgery to address these obstacles. But, despite years of development and clinical experience, conventional stereotactic procedures remain complicated and time-consuming for many neurological interventions and can be extremely difficult on the patient.

Challenges with Conventional Stereotactic Neurosurgical Procedures

Conventional stereotactic neurosurgical procedures are performed in a standard operating room. With this method, a large, metal stereotactic frame is typically fixed to the patient's skull, using skull pins, to provide a fixed and common coordinate system. After the frame is attached to the patient's skull, the patient is then imaged pre-operatively, often using MRI, in order to obtain images showing both the stereotactic frame axes and the anatomical structures of the patient's brain. These pre-operative images are then loaded into a surgical planning workstation. Surgical planning software is used to identify the neurological target for the procedure, as well as to define a trajectory path from the skull, through the brain tissue, and to the target. The planned trajectory and target location are then calculated in relation to the frame axes and then used to guide the surgery.

Because conventional stereotaxy relies on pre-operative images, and not intra-procedural images, errors in the alignment of the pre-operative images with the patient's brain anatomy can, and often do, occur as a consequence of brain shift, variation in patient hydration, registration errors or misalignment of the frame. As a result, the physician often must undertake additional steps to further refine the process of locating the patient's neurological target. These steps include physiological "mapping" of the brain and require an additional procedural step called microelectrode recording, which is a tedious and time-consuming process during which small probes containing microelectrodes are inserted into the deep brain structures, usually multiple times. As these microelectrode recording probes are passed through brain tissue, they pick up electrical activity. The microelectrode recording system then converts the electrical activity into audible tones. In hearing these various audible tones, a trained neurologist or neurophysiologist can distinguish different regions of the brain. Based on these tones, locations are mapped against the pre-operative images and used to refine and adjust the neurological target as depicted on those pre-operative images. New coordinates are then calculated and a new trajectory is planned. To further confirm locations in the brain, various physiologic responses are induced or monitored with the microelectrodes. These physiological mapping steps require the patient to be awake during the surgery and off medications. Given the procedure's complexity, it is not uncommon for the procedure to last six or more hours.

Our ClearPoint System Solution

We believe the design of our ClearPoint system can significantly simplify how stereotactic neurological interventions are performed. Instead of relying on the indirect guidance of pre-operative imaging, our ClearPoint system is based on a direct approach, in which a physician is guided by high resolution MRI during the procedure, which is designed to be performed in a standard hospital-based MRI scanner instead of a traditional operating room.

Our ClearPoint system is an integrated system comprised of hardware components, disposable components and intuitive, menu-driven software.

ClearPoint Hardware. Our hardware components consist primarily of a head fixation frame, computer workstation and in-room monitor. The head fixation frame immobilizes the patient's head during the procedure, and it is designed to optimize the placement of an imaging head coil in proximity to the patient's head. Our ClearPoint system software is installed on a computer workstation networked with an MRI scanner, for which we use a commercially available laptop computer. The in-room monitor allows the physician to view the display of our ClearPoint system workstation from the scanner room while performing the procedure.

ClearPoint Disposables. The disposable components of our ClearPoint system consist primarily of our SmartFrame trajectory device, a hand controller and related accessories. Our SmartFrame device is an adjustable trajectory frame that attaches to the patient's skull and holds the targeting cannula. The hand controller attaches to our SmartFrame device, and it is used by the physician to adjust the roll, pitch and X and Y orientation of the targeting cannula while the patient is in the MRI scanner. The accessories include all other components necessary to

facilitate the MRI-guided neurological procedure, such as our SmartGrid patch, which is an MRI-visible marking grid that enables rapid localization of the entry position into the brain, and our customized surgical draping, which creates a sterile field within the MRI scanner. For drug delivery procedures, our SmartFlow cannula, which is an MRI-compatible injection and aspiration cannula, serves as the vehicle for the delivery of the compound.

ClearPoint Software. Our ClearPoint system software guides the physician in surgical planning, device alignment, navigation to the target and procedure monitoring. The software receives standard images from the MRI scanner through a network connection. The software leads the physician through a series of predefined steps, including MR image acquisition, establishment of image orientation landmarks, target identification and selection, trajectory planning, entry point planning and marking, targeting cannula orientation and refinement, and confirmation that the desired anatomical target(s) have been reached. The software uses image segmentation algorithms to help locate and identify our SmartFrame device and its targeting cannula, as well as the anatomical structures of the brain. The software also performs geometric computations to provide the physician with information regarding the positioning of instruments inserted into the patient's brain relative to the target anatomical structures. At the completion of the procedure, the software generates an automated report that includes the key metrics from the procedure.

The ClearPoint Procedure. A procedure utilizing our ClearPoint system is performed entirely within a standard hospital-based MRI suite. Once placed in the MRI scanner, the patient's head is immobilized in our head fixation frame with the patient's head accessible to the physician. The physician then places our MRI-visible SmartGrid patch onto the patient's head where the physician expects to enter the skull. The patient is then moved to the center of the scanner and images are taken of the patient's brain that include the target area and our SmartGrid patch. Once the imaging is complete, the images are transferred to our ClearPoint system workstation so that the physician can determine the specific target site within the brain and the optimal trajectory path for the placement of the interventional device. With the trajectory path established, our ClearPoint system software will identify the specific location on our SmartGrid patch that corresponds with where the planned trajectory intersects the skull. The physician will then mark the skull using our custom marking tool. At the site of the mark, the physician will create the burr hole, which is the small hole in the patient's skull through which the interventional device can be inserted into the brain.

Our SmartFrame device is then centered and attached over the burr hole. The target and planned trajectory is reconfirmed by the physician using our ClearPoint system workstation. Using the hand controller, the physician adjusts the trajectory of the MRI-visible SmartFrame device to align the instrument with the planned trajectory. During this process, the software estimates a number of turns and direction of turn on each of the hand controller's color coded thumbwheels to align the instrument to the planned trajectory.

Once our SmartFrame device has been aligned to the proper trajectory, the depth dimension is calculated by the software. Immediately before insertion and partway through insertion, images are taken to ensure that the probe is correctly tracking along the planned trajectory. The physician continues advancing the interventional device towards the target site until it "snaps" into place on the SmartFrame device indicating that the interventional device has reached the proper depth. At this time, images are taken at the target site to insure the interventional device is in the proper location relative to the desired target.

Regulatory Status

Our ClearPoint system has a general indication for use. Our 510(k) clearance from the FDA permits us to market and promote our ClearPoint system in the United States for use in general neurological procedures, which includes procedures such as biopsies, catheter insertions and electrode insertions. This is the same general indication for use that applies to other devices that have traditionally been used in the performance of stereotactic neurological procedures. Similar to other conventional stereotaxy-based systems, our ClearPoint system's general neurological indication for use does not reference specific neurological procedures. In the European Union, our CE mark approval carries the same indication for use as our 510(k) clearance in the United States.

Our SmartFlow cannula has received 510(k) clearance and is indicated for use in the injection of Cytarabine, which is a chemotherapy drug, or the removal of cerebrospinal fluid from the ventricles of the brain during an intracranial procedure. Delivery of other therapeutic agents using our SmartFlow cannula is investigational. The SmartFlow cannula is a disposable device intended for single patient use only and is not intended for implant.

The ClearTrace Cardiac Intervention System

Our second product platform, the ClearTrace system, is a product candidate designed to allow catheter-based minimally invasive procedures in the heart to be performed using continuous, intra-procedural MRI guidance.

General

Catheter-based cardiac interventions performed in a fluoroscopy suite, generally referred to as a Cath Lab or EP Lab, have been the standard of care for the treatment of many cardiac disorders, such as cardiovascular disease. Certain procedures, such as stent placement, are well suited for fluoroscopic imaging because they do not require continuous, detailed visualization of the cardiac tissue. However, other procedures are not well suited for fluoroscopy because of the clinical need for continuous, high resolution imaging of the cardiac anatomy along with the interventional instruments. We believe an example of such a procedure is cardiac ablation to treat cardiac arrhythmias. Another example is the precision delivery of stem cells directly into the wall of the heart, which represents a promising therapy being researched for the treatment of heart failure.

Unlike the Cath Lab or EP Lab, we believe the ClearTrace system, once we have completed its development, will provide a continuous, high resolution, four dimensional imaging environment (the fourth dimension being time), which will include detailed visualization of cardiac tissue, along with the cardiac catheters used to deliver the therapy. We believe that this new imaging capability is required for the next generation of interventional cardiac therapies. In addition, we anticipate that the ClearTrace system will eliminate all radiation exposure for both the patient and physician from the X-ray utilized in current procedures. Under current catheter-based treatments utilizing fluoroscopy, radiation exposure can exceed 45 minutes and require intravenous contrast dye which, in large quantities, is toxic to the kidneys. We believe that the attributes of our ClearTrace system could position it to be the therapy of choice for cardiac ablation procedures to treat cardiac arrhythmias, and the ideal platform for delivering future biologic therapies to treat heart failure and other similar cardiac disorders.

We began preliminary research for an MRI-guided cardiac ablation procedure shortly following our inception in 1998. As a culmination of those research efforts, in May 2009, we entered into an exclusive development agreement with Siemens, under which we and Siemens performed initial work related to the development of hardware and software needed for MRI-guided, catheter-based ablation procedures to treat cardiac arrhythmias. Working closely with us, Siemens created a research version of the software platform specifically for use in MRI-guided cardiac ablation procedures with our catheters. In February 2014, we entered into new exclusive development agreement with Siemens, which replaced our May 2009 agreement. The new development agreement contemplates that, with cooperation, assistance and technical support from Siemens, we would develop the commercial version of the research software platform created by Siemens under our original agreement, which software would serve as the software component of our ClearTrace system. In 2015, we suspended our development activities on the ClearTrace system so that we could focus our resources on the ClearPoint system, and we have not made any filings seeking regulatory clearance or approval for our ClearTrace system.

ClearTrace System Components

We believe our ClearTrace system could represent a new paradigm in performing cardiac interventions. Similar to our ClearPoint system, the ClearTrace system is designed as an integrated system of hardware components, disposable components and intuitive, menu-driven software.

ClearTrace Hardware. The hardware components will be centered around our ClearConnect system, which is an MRI-compatible hardware and cabling system to enable catheter-based procedures in an MRI scanner.

ClearTrace Disposables. The disposable components will include, among other items, an ablation catheter and mapping catheter. The ablation catheter will be used to perform MRI-guided delivery of ablative energy to create cardiac lesions. The mapping catheter will be used for MRI-guided collection of intracardiac

electrocardiogram signals and will include analog/digital filtering to enable electrocardiogram collection during scanning. All catheters and components will be MRI-compatible and tightly integrated with the MRI scanner.

ClearTrace Software. The ClearTrace system will include software designed to assist the physician in: surgical planning; creating three dimensional volumes of cardiac chambers; navigating our ClearTrace catheters within the cardiac chambers; visualizing lesions; tracking prior lesion locations; evaluating ablated cardiac tissue; and monitoring for possible adverse events. The ClearTrace system software will be integrated with our disposable components.

Regulatory Status

Our ClearTrace system is still under development, and to date we have conducted only animal studies and other preclinical work with respect to the ClearTrace system. We have not made any filing with any regulatory authority seeking approval or clearance for the ClearTrace system. We expect the initial market for our ClearTrace system will be the European Union, and, therefore, we intend to seek CE marking approval for the ClearTrace system at the appropriate time. In the United States, we believe that most components of the ClearTrace system will be Class II medical devices and will fall under the FDA's 510(k) regulatory process. However, we believe the ablation catheter component may be a Class III medical device and could require FDA approval of a premarket approval application, or PMA.

Licenses and Collaborative Relationships

In addition to our internally-developed technologies and devices, we have established and may continue to pursue licensing and other collaborative relationships with medical device companies and academic institutions to further the development and commercialization of our product platforms and our core technologies. Our current material relationships are discussed below.

Brainlab

In April 2011, we entered into a co-development and distribution agreement with Brainlab. Our agreement with Brainlab has a term of five years. The agreement contemplates that we and Brainlab could work to potentially integrate our ClearPoint system technologies with Brainlab's own interventional MRI technologies for application in the MRI-guided neurological drug delivery field of use, subject to appropriate regulatory clearance or approval. Brainlab, at its expense, also could explore the integration of our ClearPoint system technologies with Brainlab's interventional MRI technologies for other MRI-guided neurological procedures as well. During the term of the agreement, neither we nor Brainlab may enter into a collaborative arrangement with another party relating to the commercial development, sales or marketing of products in the MRI-guided neurological drug delivery field of use. In addition, Brainlab may not develop, market or sell in the MRI-guided neurological drug delivery field of use any product that performs substantially the same function as or otherwise competes with any of our ClearPoint products, other than products resulting from any co-development activities under the agreement.

Under the agreement, we also granted Brainlab distribution rights with respect to our ClearPoint system. We appointed Brainlab as an exclusive distributor of ClearPoint products within the MRI-guided neurological drug delivery field of use and as a non-exclusive distributor of ClearPoint products for other MRI-guided neurological procedures. Brainlab's distribution territory includes the United States, the European Union and Canada, although we do not yet have regulatory approval to sell our ClearPoint system in Canada. As our distributor, we will supply products to Brainlab at agreed upon transfer prices. We believe the agreed-upon transfer prices will yield substantially the same financial return per unit as we receive on our own direct sales. As both we and Brainlab will be selling the ClearPoint products outside the MRI-guided neurological drug delivery field of use, our agreement specifies that, to the extent a ClearPoint system is installed at a hospital due to Brainlab's selling efforts, Brainlab will then be the party that sells all ClearPoint disposable products to that hospital.

Siemens

We entered into a cooperation and development agreement with Siemens in May 2009, under which we and Siemens performed initial work related to the development of hardware and software needed for MRI-guided, catheter-based ablation procedures to treat cardiac arrhythmias. Pursuant to the terms of our agreement, we were

generally responsible for developing catheters and other hardware, and Siemens was responsible for developing software, to our specifications. We were responsible for paying Siemens for its software development work, but, under the terms of the agreement, Siemens owned the software. Working closely with us, Siemens created a research version of the software platform specifically for use in MRI-guided cardiac ablation procedures with our catheters, but a commercial version was not developed.

In February 2014, we entered into a new development agreement with Siemens, which replaced our May 2009 agreement. The new development agreement contemplates that, with cooperation, assistance and technical support from Siemens, we would develop the commercial version of the research software platform created by Siemens under our original agreement, which software would serve as the software component of our ClearTrace system. In 2015, we suspended our development activities on the ClearTrace system so that we could focus our resources on the ClearPoint system, and we have not made any filings seeking regulatory clearance or approval for our ClearTrace system. Upon completion of development, subject to appropriate regulatory clearance or approval, we will sell the software as our own product, and the software will serve as the software component of our ClearTrace system.

Under the development agreement, Siemens developed, at our cost, certain software features, or host features, for certain of Siemens' MAGNETOM MRI systems. The host features will enable the connection of our software and catheters to those MAGNETOM systems. The host features, which are owned by Siemens, run within the MRI scanner system. The host features will then connect to our software, which will operate on a separate computer workstation, and enable the performance of MRI-guided cardiac ablation procedures. Siemens will maintain technical compatibility of the host features with our software for the term of the development agreement.

The development agreement provides for certain commercial exclusivity, generally extending for a period of four years following the European product release date of the host features, in the field of MRI-guided catheter-based cardiac electrophysiology using catheters that are actively tracked by the MRI scanner. During that period and within that field, Siemens agreed that it will not engage in certain actions and activities, the intention being that we will have the exclusive opportunity to commercialize MRI-guided catheter-based cardiac electrophysiology with active catheter tracking with Siemens MRI systems. Likewise, during that period and within that field, we agreed that we will not sell or otherwise provide to any third party actively tracked catheters for commercial use, within the meaning of the development agreement, that are intended to be used with a non-Siemens MRI system.

The development agreement contains a cross-licensing arrangement between us and Siemens. Under that arrangement, each party granted the other party a non-exclusive license to use certain intellectual property rights owned by the granting party and realized in the research software platform developed under the May 2009 agreement. Under our license from Siemens, we may use the licensed intellectual property rights to develop, manufacture and sell software, provided that during the parties' exclusivity period and within the exclusivity field, any such software must be solely for use with Siemens MRI systems. Under its license from us, Siemens may also use the licensed intellectual property rights to develop, manufacture and sell software, provided that during the parties' exclusivity period and within the exclusivity field, any such software must be solely for use with our catheters.

The term of the development agreement will expire four years following the European product release date of the host features for the applicable Siemens MAGNETOM MRI systems.

Boston Scientific

In connection with our research and development efforts for the ClearPoint and ClearTrace systems, we developed technologies that we believe can improve the MRI-safety profile of implantable medical leads. Implantable medical leads are thin, insulated wires that are connected to implantable generators, such as a pacemaker or neurostimulator, and deliver electrical pulses or stimulation to a specific area of the body, such as the heart or the brain. In 2005 and 2008, we entered into agreements with Boston Scientific that contemplate the potential use of our MRI-safety technologies in Boston Scientific's implantable leads.

In December 2005, we entered into a development agreement and license agreement with Boston Scientific in the neuromodulation field. The development agreement related to the design and development of MRI-compatible

and MRI-safe implantable leads for neuromodulation applications, such as implantable DBS leads. Under the license agreement, we granted Boston Scientific an exclusive, worldwide license with respect to certain of our intellectual property in the neuromodulation field to make, use, import, lease and sell neuro-related leads, neuro-related lead extensions, and neuro-related lead-type devices, such as implantable pulse generators. Boston Scientific is responsible for patent prosecution of the intellectual property it licensed and the payment of costs associated with patent prosecution.

In March 2008, we entered into a development agreement and license agreement with Boston Scientific in the field of implantable medical leads for cardiac applications. The development agreement related to feasibility assessment, design and development of certain MRI-compatible, MRI-safe implantable cardiac rhythm management leads. Under the license agreement, we granted Boston Scientific an exclusive, worldwide license with respect to certain of our intellectual property in the field of implantable medical leads for cardiac applications to make, have made, use, promote, market, import, distribute, lease, sell, offer for sale and commercialize products in that particular field of use. Boston Scientific is responsible for patent prosecution of the intellectual property it licensed and the payment of costs associated with patent prosecution.

In March 2014, Boston Scientific purchased from us some, but not but all, of the intellectual property we had licensed exclusively to Boston Scientific within the fields of neuromodulation and implantable medical leads for cardiac applications. In connection with that purchase transaction, we entered into amendments to our development and license agreements with Boston Scientific to eliminate the milestone-based payments and royalties provided under those agreements. Accordingly, we are no longer entitled to receive future milestone-based payments or royalties under our development and license agreements with Boston Scientific.

The Johns Hopkins University

We have entered into certain exclusive license agreements with The Johns Hopkins University, or Johns Hopkins. For additional information regarding these licenses, see “Business–Intellectual Property.”

Sales and Marketing

Commercializing our ClearPoint system involves marketing primarily to:

- physicians who care for patients suffering from neurological disorders, including neurosurgeons, who perform the neurological procedures, and neurologists, who interact with patients prior to and following surgery and who refer patients for surgery; and
- hospitals involved in the treatment of neurological disorders and the opinion leaders at these hospitals.

There are approximately 4,800 neurosurgeons in the United States. Similar to many fields of medicine, some neurosurgeons elect to focus on a particular specialty within the neurological field. For example, some neurosurgeons focus their practice on spine surgeries, others more on open craniotomy surgeries and others more on minimally invasive approaches, such as functional neurosurgery. We believe our ClearPoint system may be most applicable to those functional neurosurgeons, as well as oncologic neurosurgeons, but we also market our ClearPoint system to other neurosurgeons. We believe that our ClearPoint system represents an attractive platform for a neurosurgery team within a hospital to perform various general neurological procedures.

Our business model for the ClearPoint system is focused on producing high margin revenue from sales of the disposable components. Given that focus on disposable product sales, we sell our reusable components at lower margins in order to secure installations of our system within hospitals. In addition, we may make the reusable ClearPoint components available to hospitals pursuant to our ClearPoint Placement Program, under which we install a system at the hospital but we retain title to the system. Under that program, we may make the reusable ClearPoint components available to a hospital for use during an agreed-upon period of time while the hospital evaluates and processes the purchase opportunity. In addition, under the ClearPoint Placement Program we may permit a hospital to pay for an installed system or its use over an agreed-upon period of time. Our disposable and reusable ClearPoint products are tightly integrated, which allows us to leverage each new installation of a system to generate recurring sales of our disposable products.

Presently, our commercialization efforts for our ClearPoint system are being coordinated primarily through our Vice President, Sales and our Vice President, Marketing. As of December 31, 2015, our sales, clinical support and marketing team consisted of 16 employees.

Given the stage of development of the ClearTrace system, we have not developed a sales and marketing plan to commercialize ClearTrace either inside or outside the United States.

Research and Development

Continued innovation through research and development is important to our future success. As of December 31, 2015, our research and development team consisted of seven employees. We have assembled an experienced team with recognized expertise in both the development of medical devices and advanced MRI technologies, including interventional MRI microcoils and catheters. We believe that our current research and development team is sufficient for our current needs; however, we may increase the size of our team depending on the progress of our ongoing research and development efforts. Our principal research and development goals are to continue to enhance our ClearPoint system and, resources permitting, to complete development of our ClearTrace system.

We have historically spent a significant portion of our capital resources on research and development. Our research and development expenses were approximately \$1,435,000, \$2,589,000, \$3,297,000 and \$2,923,000 for the nine months ended September 30, 2015 and 2014 and the years ended December 31, 2014 and 2013, respectively.

Manufacturing and Assembly

Our ClearPoint system includes off-the-shelf components, custom-made components produced to our proprietary specifications by various third parties and components that we assemble in our Irvine, California facility. We use third parties to manufacture these components to utilize their individual expertise, minimize our capital investment and help control costs. We purchase most custom-made components of our ClearPoint system from a single source due to quality considerations, lower costs and constraints resulting from regulatory requirements; however, we believe alternative sources are available, if needed. Generally, we purchase our components through purchase orders and do not have long-term contracts with most of our suppliers.

Our Irvine, California facility is structured to complete component processing, final assembly, packaging and distribution activities for our ClearPoint system. The assembly process is performed in a controlled environment as required by applicable regulation for medical device assembly. Our operations are subject to extensive regulation by the FDA under its Quality System Regulation, or QSR, which requires that manufacturers have a quality management system for the design and production of medical devices. In addition, to the extent we conduct business outside the United States, we are subject to international regulatory requirements.

Our Irvine, California facility is FDA-registered, and we believe it is compliant with the FDA's QSR. We are also certified to ISO standard 13485. We have instituted a quality management system, under which we have established policies and procedures that control and direct our operations with respect to design, procurement, manufacture, inspection, testing, installation, data analysis, training and marketing. We review and internally audit our compliance with these policies and procedures, which provides a means for continued evaluation and improvement. As required by our quality management system, we undertake an assessment and qualification process for each third-party manufacturer or supplier that we use. Typically, our third-party manufacturers and suppliers are certified to ISO standard 9001 and/or 13485. We also periodically perform audit procedures on our key third-party manufacturers and suppliers to monitor their activities for compliance with our quality management system. Our facility and the facilities of the third-party manufacturers and suppliers we use are subject to periodic inspections by regulatory authorities, including the FDA and other governmental agencies.

Intellectual Property

We believe that in order to maintain a competitive advantage in the marketplace, we must develop and maintain the proprietary aspects of our technologies. We rely on a combination of patent, trademark, trade secret, copyright and other intellectual property rights and measures to protect our intellectual property.

Our patent portfolio includes patents and patent applications that we own, whether wholly-owned or co-owned, or license from others. We seek patent protection in the United States and internationally for our products and technologies where and when we believe it is appropriate. United States patents are granted generally for a term of 20 years from the earliest effective priority date of the patent application. The actual protection afforded by a foreign patent, which can vary from country to country, depends on the type of patent, the scope of its claims and the availability of legal remedies in the country.

We also rely on other forms of intellectual property rights and measures, including trade secrets and nondisclosure agreements, to maintain and protect proprietary aspects of our products and technologies. We require our employees and consultants to execute confidentiality agreements in connection with their employment or consulting relationships with us. We also require our employees and consultants to disclose and assign to us all inventions conceived during the term of their employment or engagement which relate to our business.

Patents and Patent Applications

We have a significant patent portfolio in the field of MRI-guided interventions. As of December 31, 2015, we wholly-owned, co-owned or licensed a total of 68 United States patents and 37 United States patent applications, as well as various foreign patents and foreign patent applications corresponding with many of our United States patents and applications. Our owned, issued patents expire at various dates beginning in 2020. Our licensed, issued patents began to expire at various dates beginning in 2015. Some of our patents and patent applications are co-owned by Boston Scientific, and, with respect to those patents and patent applications, we have licensing and cross-licensing arrangements in place with Boston Scientific. As a result of those arrangements, we have exclusive rights to all fields outside neuromodulation and implantable medical leads for cardiac applications, and we have licensed the fields of neuromodulation and implantable medical leads for cardiac applications to Boston Scientific.

Certain License Arrangements

License Arrangements with The Johns Hopkins University

Our principal licensing arrangement is with Johns Hopkins. Shortly following our formation in 1998, we entered into a license agreement with Johns Hopkins pursuant to which we obtained an exclusive, worldwide license to a number of technologies owned by Johns Hopkins relating to devices, systems and methods for performing MRI-guided interventions, such as MRI-guided cardiac ablation procedures. The field of use for this exclusive license covers diagnostic or therapeutic methods, processes or devices using an intravascular, intralumen or intratissue miniature magnetic resonance coil detection probe. We are obligated to pay Johns Hopkins an annual maintenance fee, and we are also obligated to pay a royalty to Johns Hopkins based on the sale of products or provision of services covered by a licensed patent. To the extent we sublicense any licensed intellectual property to a third-party, we agreed to pay Johns Hopkins a percentage of revenue we receive as a result of the sublicense. This license agreement with Johns Hopkins will terminate upon the expiration of the last to expire of the licensed patents.

In December 2006, we entered into a second license agreement with Johns Hopkins under which we obtained an exclusive, worldwide license to certain MRI-safety technologies owned by Johns Hopkins. Under the agreement, we are obligated to pay a royalty to Johns Hopkins based on the sale of products or provision of services covered by a licensed patent, subject to a minimum annual payment. Likewise, to the extent we sublicense any intellectual property to a third party, we agreed to pay Johns Hopkins a percentage of revenue we receive as a result of the sublicense. This license agreement with Johns Hopkins will terminate upon the expiration of the last to expire of the licensed patents.

In June 2008, we also entered into an exclusive license agreement with Johns Hopkins with respect to certain catheter technology. Under the agreement, we are obligated to pay a royalty to Johns Hopkins based on the sale of products or provision of services incorporating the licensed technology. Likewise, to the extent we sublicense any licensed technology to a third party, we agreed to pay Johns Hopkins a percentage of revenue we receive as a result of the sublicense. The license agreement terminates upon the expiration of the last to expire of the licensed patents.

License Arrangements with Merge

In July 2007, we entered into a master services and licensing agreement with Merge Healthcare Canada Corp. (formerly known as Cedara Software Corp.), or Merge, for Merge to develop on our behalf, based on our detailed specifications, a customized software solution for our ClearPoint system. Merge was in the business of providing software development and engineering services on a contract basis to a number of companies. In developing our ClearPoint system software, Merge utilized certain of its own pre-existing software code, or Merge software. Under our agreement with Merge, we received a non-exclusive, worldwide license to the Merge software, in object code form, as an integrated component of our ClearPoint system software. In return, we agreed to pay Merge a license fee for each copy of our ClearPoint system software that we distribute. Except for the Merge software, the work performed by Merge was a “work made for hire” and we exclusively own our ClearPoint system software. Under the master services and licensing agreement, Merge also performed ongoing custom engineering, maintenance and support services with respect to our ClearPoint system software, for which we compensated Merge.

At our request, in July 2013, the master services and licensing agreement was amended to enable us to internally handle development, maintenance and support of our ClearPoint system software going forward. As a result, we now perform the software services which we previously outsourced to Merge. Under the amendment, Merge granted us a non-exclusive, non-transferable, worldwide license to the source code for the Merge software to use in our further development and commercialization of our ClearPoint system software. In return, we agreed to pay Merge a one-time license fee. Merge may terminate the source code license only for cause. We will continue to pay Merge a license fee for each copy of our ClearPoint system software that we distribute, but only for licenses in excess of the licenses we already had purchased or otherwise acquired from Merge prior to the July 2013 amendment. We already have satisfied our minimum license purchase commitments from Merge under the master services and licensing agreement.

License Arrangements with Boston Scientific

In connection with our March 2014 sale of certain MRI-safety technologies to Boston Scientific, we entered into a license agreement with Boston Scientific. Under that license agreement, Boston Scientific granted us an exclusive, royalty-free, fully paid, irrevocable, worldwide license to the transferred intellectual property, with the right to sublicense, within fields of use other than neuromodulation and implantable medical leads for cardiac applications.

Competition

General

The medical device industry is highly competitive, subject to rapid technological change and significantly affected by new product introductions and market activities of other participants. Therefore, our currently marketed products are, and future products we commercialize will be, subject to competition.

ClearPoint System

Currently, we are not aware of any other company that offers a direct MRI-guided stereotactic system for neurological interventions, although two companies, Monteris Medical Inc. and Medtronic, Inc. offer devices for laser ablation under direct MRI guidance. In addition, companies such as Brainlab, Medtronic, Inc., Elekta AB, FHC Inc., Neurologica Corporation, a subsidiary of Samsung Electronics Co., and Mazor Robotics Ltd. offer devices and systems for use in conventional stereotactic neurological procedures, such as surgical navigation workstations, frame-based and frameless stereotactic systems, portable computer tomography scanners and computer-controlled guidance systems, and these devices and systems are competitive with our ClearPoint system. Additionally, we could also face competition from other medical device, biotechnology and pharmaceutical companies that have the technology, experience and capital resources to develop alternative therapy methods, including MRI-guided technologies. Many of our competitors have substantially greater financial, manufacturing, marketing and technical resources than we have.

ClearTrace System

We are not aware of any company that currently offers a direct MRI-guided cardiac ablation system that has received regulatory clearance or approval. However, at least one company, Imricor Medical Systems, Inc., is in the process of developing such a system, and at least one other company, Philips Healthcare, has a research and development effort in this field. We are not aware of any potential competitive advantages or disadvantages relative to any such system under development; however, if any such company develops, obtains regulatory clearance or approval and achieves commercial success for a direct MRI-guided cardiac ablation system, the ClearTrace system could be rendered non-competitive.

We also will face competition from companies who are engaged in the development and marketing of conventional catheter-based cardiac ablation systems and devices. These products include mapping systems using contact mapping, single-point spatial mapping and non-contact, multi-site electrical mapping technologies and ablation systems using radio frequency, ultrasound, laser and cryoablation technologies. These products evolve rapidly, and their manufacturers are constantly attempting to make them easier to use or more efficacious in performing procedures. Today, the vast majority of minimally invasive catheter-based cardiac ablation procedures are performed with these products. Because these products are currently in use while the ClearTrace system remains under development, physician preferences will have to shift for the ClearTrace system to gain market acceptance. We believe that the primary factors which may drive physician preference will be relative success rates and ease of the procedure for physicians with respect to the ClearTrace system compared to the alternative technologies available.

We are aware of two companies, Hansen Medical, Inc. and Stereotaxis, Inc., which market systems to remotely control catheters during interventional cardiac ablation and other procedures using either robotic or magnetic steering. The nature of these systems potentially could provide better control over the catheter compared to manual manipulation by the physician; however, these systems do not provide the physician with detailed intra-procedural visualization of the cardiac tissue. Also, other manufacturers are attempting to market devices that access the exterior of the heart wall through an endoscopic surgical technique called thoracoscopy to treat atrial fibrillation. Because this procedure was developed recently, the clinical advantages and disadvantages of this approach compared to a catheter-based approach inside the heart have not been established. Therefore, we are not aware of any competitive advantages or disadvantages of this procedure relative to the anticipated ClearTrace system procedure.

Additionally, we will face competition from large companies who are engaged in the development and marketing of products for other treatments of cardiac arrhythmias. Their products include drugs, implantable devices, such as implantable defibrillators and pacemakers, and the devices used in open-heart surgery.

Many of our potential competitors have an established presence in the field of cardiac electrophysiology, including cardiac ablation, such as Biosense Webster Inc., a division of Johnson & Johnson, Boston Scientific, Cardio Focus, Inc., Medtronic, plc and St. Jude Medical, Inc. These potential competitors have substantially greater financial and other resources than we do, including larger research and development staffs and more experience and greater capabilities in conducting research and development activities, testing products in clinical trials, obtaining regulatory clearances or approvals, and manufacturing, marketing and distributing products.

Regulatory Requirements of the United States Food and Drug Administration

Our research, development and clinical programs, as well as our manufacturing and marketing operations, are subject to extensive regulation in the United States and other countries. Most notably, all of our products sold in the United States are subject to regulation as medical devices under the federal Food Drug and Cosmetic Act, or FDCA, as implemented and enforced by the FDA. The FDA governs the following activities that we perform or that are performed on our behalf, to ensure that the medical devices we manufacture, promote and distribute domestically or export internationally are safe and effective for their intended uses:

- product design, preclinical and clinical development and manufacture;
- product premarket clearance and approval;

- product safety, testing, labeling and storage;
- record keeping procedures;
- product marketing, sales and distribution; and
- post-marketing surveillance, complaint handling, medical device reporting, reporting of deaths, serious injuries or device malfunctions and repair or recall of products.

FDA Premarket Clearance and Approval Requirements

Unless an exemption applies, each medical device we wish to commercially distribute in the United States will require either premarket notification, or 510(k) clearance, or approval of a PMA from the FDA. The FDA classifies medical devices into one of three classes. Class I devices, considered to have the lowest risk, are those for which safety and effectiveness can be assured by adherence to the FDA's general regulatory controls for medical devices, which include compliance with the applicable portions of the FDA's QSR, facility registration and product listing, reporting of adverse medical events, and appropriate, truthful and non-misleading labeling, advertising, and promotional materials (General Controls). Class II devices are subject to the FDA's General Controls, and any other special controls as deemed necessary by the FDA to ensure the safety and effectiveness of the device (Special Controls). Manufacturers of most Class II and some Class I devices are required to submit to the FDA a premarket notification under Section 510(k) of the FDCA requesting permission to commercially distribute the device. This process is generally known as 510(k) clearance. Devices deemed by the FDA to pose the greatest risks, such as life-sustaining, life-supporting or implantable devices, or devices that have a new intended use, or use advanced technology that is not substantially equivalent to that of a legally marketed device, are placed in Class III, requiring approval of a PMA.

510(k) Clearance Pathway

When a 510(k) clearance is required, we will be required to submit a 510(k) application demonstrating that our proposed device is substantially equivalent to a previously cleared 510(k) device or a device that was in commercial distribution before May 28, 1976 for which the FDA has not yet called for the submission of PMAs. By regulation, the FDA is required to clear or deny a 510(k) premarket notification within 90 days of submission of the application. As a practical matter, clearance may take longer. The FDA may require further information, including clinical data, to make a determination regarding substantial equivalence.

Once filed, the FDA has 90 days in which to review the 510(k) application and respond. Typically, the FDA's response after reviewing a 510(k) application is a request for additional data or clarification. Depending on the complexity of the application and the amount of data required, the process may be lengthened by several months or more. If additional data, including clinical data, are needed to support our claims, the 510(k) application process may be significantly lengthened.

If the FDA issues an order declaring the device to be Not Substantially Equivalent, or NSE, the device is placed into a Class III or PMA category. At that time, a company can request a de novo classification of the product. De novo generally applies where there is no predicate device and the FDA believes the device is sufficiently safe so that no PMA should be required. The request must be in writing and sent within 30 days from the receipt of the NSE determination. The request should include a description of the device, labeling for the device, reasons for the recommended classification and information to support the recommendation. The de novo process has a 60 day review period. If the FDA classifies the device into Class II, a company will then receive an approval order to market the device. This device type can then be used as a predicate device for future 510(k) submissions. However, if the FDA subsequently determines that the device will remain in the Class III category, the device cannot be marketed until the company has obtained an approved PMA.

Any modification to a 510(k)-cleared device that would constitute a major change in its intended use, or any change that could significantly affect the safety or effectiveness of the device, requires a new 510(k) clearance and may even, in some circumstances, require a PMA, if the change raises complex or novel scientific issues or the product has a new intended use. The FDA requires every manufacturer to make the determination regarding the need for a new 510(k) submission in the first instance, but the FDA may review any manufacturer's decision. If the FDA

were to disagree with any of our determinations that changes did not require a new 510(k) submission, it could require us to cease marketing and distribution and/or recall the modified device until 510(k) clearance or PMA approval is obtained. If the FDA requires us to seek 510(k) clearance or PMA approval for any modifications, we may be required to cease marketing and/or recall the modified device, if already in distribution, until 510(k) clearance or PMA approval is obtained and we could be subject to significant regulatory fines or penalties.

PMA Approval Pathway

A PMA must be submitted to the FDA if the device cannot be cleared through the 510(k) process, or is not otherwise exempt from the FDA's premarket clearance and approval requirements. A PMA must generally be supported by extensive data, including, but not limited to, technical, preclinical, clinical trial, manufacturing and labeling, to demonstrate to the FDA's satisfaction the safety and effectiveness of the device for its intended use. During the review period, the FDA will typically request additional information or clarification of the information already provided. Also, an advisory panel of experts from outside the FDA may be convened to review and evaluate the application and provide recommendations to the FDA as to the approvability of the device. The FDA may or may not accept the panel's recommendation. In addition, the FDA will generally conduct a pre-approval inspection of our or our third-party manufacturers' or suppliers' manufacturing facility or facilities to ensure compliance with the QSR. Once a PMA is approved, the FDA may require that certain conditions of approval be met, such as conducting a post market clinical trial.

New PMAs or PMA supplements are required for modifications that affect the safety or effectiveness of the device, including, for example, certain types of modifications to the device's indication for use, manufacturing process, labeling and design. PMA supplements often require submission of the same type of information as a PMA, except that the supplement is limited to information needed to support any changes from the device covered by the original PMA and may not require as extensive clinical data or the convening of an advisory panel. Although we believe that most components of our ClearTrace system will fall under the FDA's 510(k) regulatory process, we do believe the ablation catheter component will require the approval of a PMA. Likewise, we could seek to add new indications for use of our existing products that require the approval of a PMA, although we do not have any current plans to do that.

Clinical Trials

Clinical trials are generally required to support a PMA application and are sometimes required for 510(k) clearance. Such trials generally require an application for an investigational device exemption, or IDE, which is approved in advance by the FDA for a specified number of patients and study sites, unless the product is deemed a non-significant risk device eligible for more abbreviated IDE requirements. A significant risk device is one that presents a potential for serious risk to the health, safety, or welfare of a patient and either is implanted, used in supporting or sustaining human life, substantially important in diagnosing, curing, mitigating, or treating disease or otherwise preventing impairment of human health, or otherwise presents a potential for serious risk to a subject. Clinical trials are subject to extensive monitoring, recordkeeping and reporting requirements. Clinical trials must be conducted under the oversight of an institutional review board, or IRB, for the relevant clinical trial sites and must comply with FDA regulations, including, but not limited to, those relating to good clinical practices. To conduct a clinical trial, we also are required to obtain the patient's informed consent in a form and substance that complies with both FDA requirements and state and federal privacy and human subject protection regulations. We, the FDA or the IRB could suspend a clinical trial at any time for various reasons, including a belief that the risks to study subjects outweigh the anticipated benefits. Even if a trial is completed, the results of clinical testing may not adequately demonstrate the safety and efficacy of the device or may otherwise not be sufficient to obtain FDA clearance or approval to market the product in the United States. Similarly, in Europe, the clinical study must be approved by a local ethics committee and in some cases, including studies with high-risk devices, by the ministry of health in the applicable country.

Pervasive and Continuing Regulation

After a device is placed on the market, numerous regulatory requirements continue to apply. In addition to the requirements below, the Medical Device Reporting regulations require that we report to the FDA any incident in which our product may have caused or contributed to a death or serious injury or in which our product

malfunctioned and, if the malfunction were to recur, would likely cause or contribute to death or serious injury. Additional regulatory requirements include:

- product listing and establishment registration, which helps facilitate FDA inspections and other regulatory action;
- QSR, which requires manufacturers, including third-party manufacturers, to follow stringent design, testing, control, documentation and other quality assurance procedures during all aspects of the design and manufacturing process;
- labeling regulations and FDA prohibitions against the promotion of products for uncleared, unapproved or off-label use or indication;
- clearance of product modifications that could significantly affect safety or effectiveness or that would constitute a major change in intended use of one of our cleared devices;
- approval of product modifications that affect the safety or effectiveness of one of our approved devices;
- post-approval restrictions or conditions, including post-approval study commitments;
- post-market surveillance regulations, which apply, when necessary, to protect the public health or to provide additional safety and effectiveness data for the device;
- the FDA's recall authority, whereby it can ask, or under certain conditions order, device manufacturers to recall from the market a product that is in violation of governing laws and regulations;
- regulations pertaining to voluntary recalls; and
- notices of corrections or removals.

As a medical device manufacturer, we are subject to announced and unannounced inspections by the FDA to determine our compliance with FDA's QSR and other regulations. We have not yet been inspected by the FDA. We believe that we are in compliance with QSR and other regulations.

Advertising and promotion of medical devices, in addition to being regulated by the FDA, are also regulated by the United States Federal Trade Commission, or FTC, and by state regulatory and enforcement authorities. Promotional activities for FDA-regulated products of other companies have been the subject of enforcement action brought under healthcare reimbursement laws and consumer protection statutes. Furthermore, under the federal Lanham Act and similar state laws, competitors and others can initiate litigation relating to advertising claims. In addition, we are required to meet regulatory requirements in countries outside the United States, which can change rapidly with relatively short notice. If the FDA determines that our promotional materials or training constitutes promotion of an unapproved or uncleared use, it could request that we modify our training or promotional materials or subject us to regulatory or enforcement actions. It is also possible that other federal, state or foreign enforcement authorities might take action if they consider our promotional or training materials to constitute promotion of an unapproved use, which could result in significant fines or penalties under other statutory authorities, such as laws prohibiting false claims for reimbursement.

Failure by us or by our third-party manufacturers and suppliers to comply with applicable regulatory requirements can result in enforcement action by the FDA or other regulatory authorities, which may result in sanctions including, but not limited to:

- untitled letters, warning letters, fines, injunctions, consent decrees and civil penalties;
- customer notifications or repair, replacement, refunds, recall, detention or seizure of our marketed products;

- operating restrictions or partial suspension or total shutdown of production;
- refusing or delaying requests for 510(k) clearance or PMA approvals of new products or modified products;
- withdrawing 510(k) clearances or PMA approvals that have already been granted;
- refusal to grant export approval for our marketed products; or
- criminal prosecution.

International Marketing Approvals

International sales of medical devices are subject to foreign government regulations, which vary substantially from country to country. The time required to obtain approval by a foreign country may be longer or shorter than that required for FDA clearance or approval, and the requirements may differ.

The European Union has adopted numerous directives and standards regulating the design, manufacture, clinical trials, labeling, and adverse event reporting for medical devices. Each European Union member state has implemented legislation applying these directives and standards at a national level. Other countries, such as Switzerland, have voluntarily adopted laws and regulations that mirror those of the European Union with respect to medical devices. Devices that comply with the requirements of the laws of the relevant member state applying the applicable European Union directive are entitled to bear a CE mark and, accordingly, can be distributed throughout the member states of the European Union as well as in other countries, such as Switzerland and Israel, that have mutual recognition agreements with the European Union or have adopted the European Union's regulatory standards.

The method of assessing conformity with applicable regulatory requirements varies depending on the classification of the medical device, which may be Class I, Class IIa, Class IIb or Class III. Normally, the method involves a combination of self-assessment by the manufacturer of the safety and performance of the device, and a third-party assessment by a Notified Body, usually of the design of the device and of the manufacturer's quality system. A Notified Body is a private commercial entity that is designated by the national government of a member state as being competent to make independent judgments about whether a device complies with applicable regulatory requirements. An assessment by a Notified Body in one country with the European Union is required in order for a manufacturer to commercially distribute the device throughout the European Union. In addition, compliance with ISO 13485 issued by the International Organization for Standardization, among other standards, establishes the presumption of conformity with the essential requirements for CE marking. Certification to the ISO 13485 standard demonstrates the presence of a quality management system that can be used by a manufacturer for design and development, production, installation and servicing of medical devices and the design, development and provision of related services.

Healthcare Laws and Regulations

Third-Party Reimbursement

In the United States and elsewhere, healthcare providers that perform surgical procedures using medical devices such as ours generally rely on third-party payors, including governmental payors such as Medicare and Medicaid and private payors, to cover and reimburse all or part of the cost of the products. Consequently, sales of medical devices are dependent in part on the availability of reimbursement to the customer from third-party payors. The manner in which reimbursement is sought and obtained varies based upon the type of payor involved and the setting in which the product is furnished and utilized. In general, third-party payors will provide coverage and reimbursement for medically reasonable and necessary procedures and tests that utilize medical devices. Third-party payors may provide separate payments for implanted or disposable devices themselves, although no such separate payments are currently provided for our ClearPoint disposable products. Most third-party payors will not pay separately for capital equipment. Instead, payment for the cost of using the capital equipment is considered to be covered as part of payments received for performing the procedure. In determining payment rates, third-party payors are increasingly scrutinizing the prices charged for medical products and services in comparison to other therapies.

In many foreign markets, including the countries in the European Union, pricing of medical devices is subject to governmental control. In the United States, there have been, and we expect that there will continue to be, a number of federal and state proposals to limit payments by governmental payors for medical devices, and the procedures in which medical devices are used.

Medicare and Medicaid

The Medicare program is a federal health benefit program administered by the Centers for Medicare and Medicaid Services, or CMS, that covers and pays for certain medical care items and services for eligible elderly and certain disabled individuals, and individuals with end stage renal disease. The Medicaid program is a federal-state partnership under which states receive matching federal payments to fund healthcare services for the poor. Because some private commercial health insurers and some state Medicaid programs may follow the coverage and payment policies for Medicare, Medicare's coverage and payment policies are significant to our business.

Medicare coverage for the procedures in which our ClearPoint products are used currently exists in the hospital inpatient setting, which falls under Part A of the Medicare program. Under Medicare Part A, Medicare reimburses acute care hospitals a prospectively determined payment amount for beneficiaries receiving covered inpatient services in an acute care hospital. This method of payment is known as the prospective payment system, or PPS. Under PPS, the prospective payment for a patient's stay in an acute care hospital is determined by the patient's condition and other patient data and procedures performed during the inpatient stay using a classification system known as Medicare Severity Diagnosis Related Groups, or MS-DRGs. Payments also are adjusted to reflect other factors, such as regional variations in labor costs and indirect medical education expenses. Medicare pays a fixed amount to the hospital based on the MS-DRG into which the patient's stay is classified, regardless of the actual cost to the hospital of furnishing the procedures, items and services that the patient's condition requires. Accordingly, acute care hospitals generally do not receive direct Medicare reimbursement under PPS for the specific costs incurred in purchasing medical devices. Rather, reimbursement for these costs is deemed to be included within the MS-DRG-based payments made to hospitals for the services furnished to Medicare-eligible inpatients in which the devices are utilized. For cases involving unusually high costs, a hospital may receive additional "outlier" payments above the pre-determined amount. In addition, there is a mechanism by which new technology services can apply to Medicare for additional payments above the pre-determined amount, although such requests have not been granted frequently.

Because PPS payments are based on predetermined rates and may be less than a hospital's actual costs in furnishing care, and due to payment reforms enacted relatively recently, acute care hospitals have incentives to lower their inpatient operating costs by utilizing products, devices and supplies that will reduce the length of inpatient stays, decrease labor or otherwise lower their costs. For each MS-DRG, a relative weight is calculated representing the average resources required to care for cases grouped in that particular MS-DRG relative to the average resources used to treat cases in all MS-DRGs. MS-DRG relative weights are recalculated every year to reflect changes in technology and medical practice in a budget neutral manner. Under the MS-DRG payment system, there can be significant delays in obtaining adequate reimbursement amounts for hospitals for new technologies such that reimbursement may be insufficient to permit broad acceptance by hospitals.

In addition to payments to hospitals for procedures using our technology, Medicare makes separate payments to physicians for their professional services. The American Medical Association, or AMA, has developed a coding system known as the Current Procedural Terminology, or CPT, codes, which has been adopted by the Medicare program to describe and develop payment amounts for certain physician services.

The Medicare physician fee schedule uses CPT codes (and other codes) as part of the determination of allowable payment amounts to physicians. In determining appropriate payment amounts for surgeons, CMS receives guidance from the AMA regarding the relative technical skill level, level of resources used, and complexity of a new surgical procedure. Generally, the designation of a new procedure code for a new procedure using a new product does not occur until after FDA clearance or approval of the product used in the procedure. Codes are assigned by either the AMA (for CPT codes) or CMS (for Medicare-specific codes), and new codes usually become effective on January 1st of each year.

One result of the current Medicare payment system, which is also utilized by most non-governmental third-party payors, is that a patient's treating physician orders a particular service and the hospital (or other facility in

which the procedure is performed) bears the cost of delivery of the service. Hospitals have limited ability to align their financial interests with that of the treating physician because Medicare law generally prohibits hospitals from paying physicians to assist in controlling the costs of hospital services, including paying physicians to limit or reduce services to Medicare beneficiaries even if such services are medically unnecessary. As a result, hospitals have traditionally stocked supplies and products requested by physicians and have had limited ability to restrict physician choice of products and services.

The Patient Protection and Affordable Care Act, as amended by the Health Care and Education Reconciliation Act of 2010, or, together, the Affordable Care Act, included a number of provisions that will likely result in more coordination between hospitals and physicians and alignment of financial incentives between hospitals and physicians to control hospital costs. Most significantly, the Affordable Care Act provided for a Medicare shared savings program whereby Medicare will share certain savings realized in the delivery of services to Medicare beneficiaries with accountable care organizations, which may be organized through various different legal structures between hospitals and physicians. Other payment reform provisions in the Affordable Care Act included pay-for-performance initiatives, payment bundling and the establishment of an independent payment advisory board.

Among other things, the Affordable Care Act will ultimately increase the overall pool of persons with access to health insurance in the United States, at least in those states that expand their Medicaid programs. Although such an increase in covered lives should ultimately benefit hospitals, the Affordable Care Act also includes a number of cuts in Medicare reimbursement to hospitals that may take effect prior to the time hospitals realize the financial benefit of a larger pool of insured persons. Such cuts in Medicare reimbursement could adversely impact the operations and finances of hospitals, reducing their ability to purchase medical devices such as our products. Further, Congress has yet to address in a comprehensive and permanent manner the pending reduction in Medicare payments to physicians under the sustainable growth rate formula, which, if not resolved, will likely result in an overall reduction of physicians willing to participate in Medicare.

On April 16, 2015, President Obama signed into law, the Medicare Access and CHIP Reauthorization Act, or the Medicare Access Act, which removed the sustainable growth rate or SGR, methodology applicable to fees for physician services. The Medicare Access Act provides for a transition from the fee-for-service payment system to a more value-based system. In this process, reimbursements from the Medicare program may be reduced. As noted above, failure by hospitals and physicians to receive an amount that they consider to be adequate reimbursement for procedures in which our products are used will deter them from purchasing or using our products and will limit our sales growth.

Commercial Insurers

In addition to the Medicare program, many private payors look to CMS policies as a guideline in setting their coverage policies and payment amounts. The current coverage policies of these private payors may differ from the Medicare program, and the payment rates they make may be higher, lower, or the same as the Medicare program. If CMS or other agencies decrease or limit reimbursement payments for hospitals and physicians, this may affect coverage and reimbursement determinations by many private payors. Additionally, some private payors do not follow the Medicare guidelines, and those payors may reimburse only a portion of the costs associated with the use of our products, or none at all.

Fraud and Abuse Laws

Because of the significant federal funding involved in Medicare and Medicaid, Congress and the states have enacted, and actively enforce, a number of laws whose purpose is to eliminate fraud and abuse in federal healthcare programs. Our business is subject to compliance with these laws.

Anti-Kickback Laws

In the United States, there are federal and state anti-kickback laws that generally prohibit the payment or receipt of kickbacks, bribes or other remuneration in exchange for the referral of patients or other health-related business. The United States federal healthcare programs' Anti-Kickback Statute makes it unlawful for individuals or entities knowingly and willfully to solicit, offer, receive or pay any kickback, bribe or other remuneration, directly or indirectly, in exchange for or to induce the purchase, lease or order, or arranging for or recommending

purchasing, leasing, or ordering, any good, facility, service, or item for which payment may be made in whole or in part under a federal healthcare program such as Medicare or Medicaid. The Anti-Kickback Statute covers “any remuneration,” which has been broadly interpreted to include anything of value, including for example gifts, certain discounts, the furnishing of free supplies, equipment or services, credit arrangements, payments of cash and waivers of payments. Several courts have interpreted the statute’s intent requirement to mean that if any one purpose of an arrangement involving remuneration is to induce referrals of federal healthcare covered business, the arrangement can be found to violate the statute. Penalties for violations include criminal penalties and civil sanctions such as fines, imprisonment and possible exclusion from Medicare, Medicaid and other federal healthcare programs. In addition, several courts have permitted kickback cases brought under the federal False Claims Act to proceed, as discussed in more detail below.

Because the Anti-Kickback Statute is broadly written and encompasses many harmless or efficient arrangements, Congress authorized the Office of Inspector General of the United States Department of Health and Human Services, or OIG, to issue a series of regulations, known as “safe harbors.” For example, there are regulatory safe harbors for payments to bona fide employees, properly reported discounts, and payments for certain investment interests. Although an arrangement that fits into one or more of these exceptions or safe harbors is immune from prosecution, arrangements that do not fit squarely within an exception or safe harbor do not necessarily violate the statute. The failure of a transaction or arrangement to fit precisely within one or more of the exceptions or safe harbors does not necessarily mean that it is illegal or that prosecution will be pursued. However, conduct and business arrangements that arguably implicate the Anti-Kickback Statute but do not fully satisfy all the elements of an exception or safe harbor may be subject to increased scrutiny by government enforcement authorities such as the OIG. The Affordable Care Act increased the investigatory authority of the OIG, clarified that Anti-Kickback Statute claims can be brought under the federal civil False Claims Act, and provided for enhanced civil monetary penalties and expanded permissible exclusion authority.

Many states have laws that implicate anti-kickback restrictions similar to the federal Anti-Kickback Statute. Some of these state prohibitions apply regardless of whether federal healthcare program business is involved, such as for self-pay or private pay patients.

Government officials have focused their enforcement efforts on marketing of healthcare services and products, among other activities, and recently have brought cases against companies, and certain sales, marketing and executive personnel, for allegedly offering unlawful inducements to potential or existing customers in an attempt to procure their business.

Federal Civil False Claims Act and State False Claims Laws

The federal civil False Claims Act imposes liability on any person or entity who, among other things, knowingly and willfully presents, or causes to be presented, a false or fraudulent claim for payment by a federal healthcare program, including Medicare and Medicaid. The “qui tam” or “whistleblower” provisions of the False Claims Act allow a private individual to bring actions on behalf of the federal government alleging that the defendant has submitted a false claim to the federal government and to share in any monetary recovery. In recent years, the number of suits brought against healthcare providers by private individuals has increased dramatically. Medical device companies, like us, can be held liable under false claims laws, even if they do not submit claims to the government where they are deemed to have caused submission of false claims by, among other things, providing incorrect coding or billing advice about their products to customers that file claims, or by engaging in kickback arrangements with customers that file claims.

The False Claims Act also has been used to assert liability on the basis of misrepresentations with respect to the services rendered and in connection with alleged off-label promotion of products. Our activities relating to the manner in which we sell our products and document our prices such as the reporting of discount and rebate information and other information affecting federal, state and third-party reimbursement of our products, and the sale and marketing of our products, may be subject to scrutiny under these laws.

The Affordable Care Act may increase the number of cases asserting civil False Claims Act violations since it removes a significant defense to such claims and clarifies that a violation of the Anti-Kickback Statute and the retention of a federal healthcare program overpayment are both actionable under the civil False Claims Act.

When an entity is determined to have violated the False Claims Act, it may be required to pay up to three times the actual damages sustained by the government, plus civil penalties for each separate false claim. There are many potential bases for liability under the False Claims Act. A number of states have enacted false claim laws analogous to the federal civil False Claims Act and many of these state laws apply where a claim is submitted to any state or private third-party payor.

HIPAA Fraud and Other Regulations

The Health Insurance Portability and Accountability Act of 1996, or HIPAA, created a class of federal crimes known as the “federal healthcare offenses,” including healthcare fraud and false statements relating to healthcare matters. The HIPAA healthcare fraud statute prohibits, among other things, knowingly and willfully executing, or attempting to execute, a scheme or artifice to defraud any healthcare benefit program, or to obtain by means of false or fraudulent pretenses, any money under the control of any healthcare benefit program, including private payors. A violation of this statute is a felony and may result in fines, imprisonment and/or exclusion from government-sponsored programs. The Affordable Care Act also provides for civil monetary penalties for knowingly participating in certain federal healthcare offenses and enhances sentences under the Federal Sentencing Guidelines for such offenses. The HIPAA false statements statute prohibits, among other things, knowingly and willfully falsifying, concealing or covering up a material fact or making any materially false, fictitious or fraudulent statement or representation in connection with the delivery of or payment for healthcare benefits, items or services. A violation of this statute is a felony and may result in fines and/or imprisonment. Entities that are found to have aided or abetted in a violation of the HIPAA federal healthcare offenses are deemed by statute to have committed the offense and are punishable as a principal.

We are also subject to the United States Foreign Corrupt Practices Act and similar anti-bribery laws applicable in non-United States jurisdictions that generally prohibit companies and their intermediaries from making improper payments to non-United States government officials for the purpose of obtaining or retaining business. Because of the predominance of government sponsored healthcare systems around the world, we expect that many of customer relationships outside of the United States will be with governmental entities and therefore subject to such anti-bribery laws.

HIPAA and Other Privacy & Security Laws

As a part of HIPAA, Congress enacted the Administrative Simplification provisions, which are designed to require the establishment of uniform standards governing the conduct of certain electronic healthcare transactions and protecting the security and privacy of individually identifiable health information maintained or transmitted by healthcare providers, health plans and healthcare clearinghouses, which are referred to as “covered entities.” Several regulations have been promulgated under HIPAA, including: the Standards for Privacy of Individually Identifiable Health Information, or the Privacy Rule, which restricts the use and disclosure of certain individually identifiable health information; the Standards for Electronic Transactions, which establishes standards for common healthcare transactions, such as claims information, plan eligibility, payment information and the use of electronic signatures; and the Security Standards for the Protection of Electronic Protected Health Information, or the Security Rule, which requires covered entities to implement and maintain certain security measures to safeguard certain electronic health information. Although we do not believe we are a covered entity and therefore are not currently subject to these standards directly, we expect that our customers generally will be covered entities and may ask us to contractually comply with certain aspects of these standards by entering into confidentiality agreement or, when appropriated, business associate agreements. While the government intended this legislation to reduce administrative expenses and burdens for the healthcare industry, our compliance with certain provisions of these standards could entail significant costs for us.

The Health Information Technology for Economic and Clinical Health Act, or HITECH, which was enacted in February 2009, strengthened and expanded the HIPAA Privacy and Security Rules and the restrictions on use and disclosure of patient identifiable health information. HITECH also fundamentally changed a business associate’s obligations by imposing a number of Privacy Rule requirements and a majority of Security Rule provisions directly on business associates that were previously only directly applicable to covered entities. HITECH includes, but is not limited to, prohibitions on exchanging patient identifiable health information for remuneration (directly or indirectly), restrictions on marketing to individuals and obligations to agree to provide individuals an accounting of virtually all disclosures of their health information. Moreover, HITECH requires covered entities to

report any unauthorized use or disclosure of patient identifiable health information that compromises the security or privacy of the information, known as a breach, to the affected individuals, the United States Department of Health and Human Services, or HHS, and depending on the size of any such breach, the media for the affected market. Business associates are similarly required to notify covered entities of a breach.

HITECH has increased civil penalty amounts for violations of HIPAA by either covered entities or business associates up to an annual maximum of \$1.5 million for each uncorrected violation based on willful neglect. Imposition of these penalties is more likely now because HITECH significantly strengthens enforcement. It requires HHS to conduct periodic audits to confirm compliance and to investigate any violation that involves willful neglect. Additionally, state attorneys general are authorized to bring civil actions seeking either injunctions or damages in response to violations of HIPAA Privacy and Security Rules that threaten the privacy of state residents.

In addition to federal regulations issued under HIPAA, some states have enacted privacy and security statutes or regulations that, in some cases, are more stringent than those issued under HIPAA. Further, the majority of states have enacted state data breach laws, which also require notification of certain alleged breaches of the privacy or security of personal information.

Federal and state consumer protection laws are being applied increasingly by the FTC and state attorneys general to regulate the collection, use, storage and disclosure of personal or patient information, through websites or otherwise, and to regulate the presentation of web site content. Courts may also adopt the standards for fair information practices promulgated by the FTC, which concern consumer notice, choice, security and access. Numerous other countries have or are developing laws governing the collection, use, disclosure and transmission of personal or patient information.

HIPAA, as well as other federal and state laws, will apply to our receipt of patient identifiable health information in connection with any clinical trials we conduct. In addition, we collaborate with other individuals and entities in conducting research and all involved parties must comply with applicable laws. Therefore, the compliance of the physicians, hospitals or other providers or entities with which we collaborate affects our company.

Employees

As of December 31, 2015, we had 32 full time employees, of whom seven were engaged primarily in research and development, five in manufacturing and quality assurance, 16 in sales, clinical support and marketing, and four in administrative and finance functions. None of our employees are covered by a collective bargaining agreement, and we consider our relationship with our employees to be good.

Facilities

We lease approximately 7,400 square feet of space in Irvine, California under a lease that expires in September 2018. Our principal executive office and our principal operations are based at this facility. We believe that our Irvine, California facility is sufficient to meet our needs for the foreseeable future.

Litigation

In the ordinary course of our business, we may be subject to various claims, pending and potential legal actions for damages, investigations relating to governmental laws and regulations and other matters arising out of the normal conduct of our business. We are not aware of any material pending legal proceedings to which we are a party or of which any of our properties is the subject.

MANAGEMENT

Directors and Executive Officers

The following table sets forth information about our directors and executive officers.

Name	Age	Position(s)
<i>Directors and Executive Officers</i>		
Kimble L. Jenkins	53	Director; Chairman

Name	Age	Position(s)
Pascal E.R. Girin ⁽¹⁾	55	Director
Charles E. Koob ⁽¹⁾⁽³⁾	71	Director
Philip A. Pizzo ⁽²⁾⁽³⁾	71	Director
Timothy T. Richards ⁽²⁾	58	Director
Andrew K. Rooke	59	Director
Maria Sainz ⁽³⁾	50	Director
John N. Spencer, Jr. ⁽¹⁾⁽²⁾	75	Director
Francis P. Grillo	53	Director; Chief Executive Officer and President
Harold A. Hurwitz	63	Chief Financial Officer and Corporate Secretary
Peter G. Piferi	56	Chief Operating Officer
Robert C. Korn	50	Vice President, Sales
Wendelin C. Maners	53	Vice President, Marketing

(1) Member of the Audit Committee

(2) Member of the Compensation Committee

(3) Member of the Corporate Governance and Nominating Committee

Kimble L. Jenkins joined our Board of Directors in September 2002. Mr. Jenkins, who currently serves as Chairman of the company, previously served as our President from January 2003 to October 2014, and as our Chief Executive Officer from September 2004 through December 2014. Mr. Jenkins served in those two positions on a part-time basis until May 2008, at which time he began serving as President and Chief Executive Officer on a full-time basis. Prior to May 2008, Mr. Jenkins was a Managing Director with the investment bank Morgan Keegan & Company, Inc., where he founded that firm's Private Equity Group in 1998. Mr. Jenkins has over 20 years of experience building and working with growth stage companies. As our former Chief Executive Officer, we believe Mr. Jenkins' perspective into our business is an invaluable resource for our Board.

Pascal E.R. Girin joined our Board of Directors in September 2014. Mr. Girin possesses over two decades of management and executive experience in the field of medical technology. Mr. Girin most recently served as Executive Vice President and Chief Operating Officer of Wright Medical Technology, Inc. from November 2012 until October 2015, at which time the company successfully merged with Tornier N.V. and formed Wright Medical Group N.V. Prior to joining Wright Medical, Mr. Girin served as President and Chief Executive Officer of Keystone Dental Inc. from February 2011 to June 2012, at which time the company successfully merged with Southern Implants Inc. From October 2010 to February 2011, Mr. Girin served as Executive Vice President and Chief Operating Officer of Keystone Dental Inc. From July 2010 to September 2010, Mr. Girin served as Chief Operating Officer of ev3 Inc. following its acquisition by a wholly owned subsidiary of Covidien Group S.a.r.l. Prior to that time, Mr. Girin served as Executive Vice President and Chief Operating Officer of ev3 Inc. from January 2010 to July 2010, as Executive Vice President and President, Worldwide Neurovascular and International of ev3 Neurovascular Inc. from July 2008 to January 2010, as Senior Vice President and President, International of ev3 International from July 2005 to July 2008, and as General Manager, Europe of ev3 Inc. from September 2003 to July 2005. From September 1998 to August 2003, Mr. Girin served in various capacities at BioScience Europe Baxter Healthcare Corporation, most recently as Vice President. Mr. Girin received an engineering education at the French Ecole des Mines. From November 2010 until November 2, 2012, Mr. Girin had served as a director of Tornier N.V., a publicly traded global medical device company, as well as a member of its Nominating, Corporate Governance and Compliance Committee. Mr. Girin offers substantial expertise in the management of medical technology companies.

Charles E. Koob joined our Board of Directors in August 2008. From 1970 to 2008, Mr. Koob practiced competition, trade regulation and antitrust law at the law firm of Simpson Thacher & Bartlett and served as the co-head of the firm's litigation department for a portion of his tenure. For much of his career, Mr. Koob served as a strategic advisor for the boards of directors of many public companies. Mr. Koob presently serves on the board of directors of MiMedx Group, Inc., a publicly traded biomedical products company, DemeRx, Inc., a privately held biotechnology company, and Stanford Hospital & Clinics, the major teaching hospital for Stanford University and its School of Medicine. As a byproduct of Mr. Koob's sophisticated former legal practice, we believe Mr. Koob offers expertise in the areas of corporate governance and organizational and strategic leadership.

Philip A. Pizzo joined our Board of Directors in April 2013. Dr. Pizzo served as Dean of the Stanford School of Medicine from April 2001 to December 1, 2012, where he was also the Carl and Elizabeth Naumann

Professor of Pediatrics and of Microbiology and Immunology. Dr. Pizzo has devoted much of his distinguished medical career to the diagnosis, management, prevention and treatment of childhood cancers and the infectious complications that occur in children whose immune systems are compromised by cancer and AIDS. He has also been a leader in academic medicine, championing programs and policies to improve the future of science, education and healthcare in the United States and beyond. Before joining Stanford, Dr. Pizzo was the physician-in-chief of Children's Hospital in Boston and chair of the Department of Pediatrics at Harvard Medical School from 1996 to 2001. He is the author of more than 500 scientific articles and 16 books and monographs. Dr. Pizzo presently serves on the board of directors, or the equivalent governing body, of the University of Rochester, a private university, and Koc University, a private university located in Istanbul, Turkey. We believe Dr. Pizzo offers a deep understanding of medical sciences and innovation, as well as physicians and other healthcare providers who are central to the use of our products.

Timothy T. Richards joined our Board of Directors in March 2014. Since October 2012, Mr. Richards has served as the Senior Vice President, Commercial Operations for Seventh Sense BioSystems, Inc., a venture capital-backed start-up with a focus on point-of-care diagnostic testing, where he was recruited to build and develop the company's business development and commercial organization. Prior to joining Seventh Sense BioSystems, from October 2011 through August 2012, Mr. Richards served as President of Facet Technologies, LLC, a privately-held supplier to major diagnostic companies, where he led the company's manufacturing and supply chain platform. From November 2008 until May 2010, Mr. Richards held executive-level positions within the Covidien organization, first as U.S. President of the Patient Care & Safety Products business unit, and subsequently as President of VNUS Medical Technologies following its acquisition by Covidien in 2009. From October 2003 through October 2008, Mr. Richards served as Senior Vice President, Chief Marketing Officer and a member of the Executive Board of B. Braun Medical Inc., a leader in infusion therapy and pain management. Before joining B. Braun Medical, he held a number of progressive leadership positions throughout the U.S. and Asia with Becton Dickinson and Company. We believe Mr. Richards brings to the Board extensive leadership experience and expertise in general management, operations, commercial management and strategy in the medical device field.

Andrew K. Rooke joined our Board of Directors in July 2011. Mr. Rooke owns and manages Rooke Fiduciary Management, a private trust company, which specializes in the investment management of publicly held securities and the oversight of a multitude of trust investments. Mr. Rooke is also President and a director of Withington Foundation, a private foundation. Over the years, he has acquired, managed and sold a number of private companies as well as commercial real estate properties. Mr. Rooke was also previously employed by the former securities firm Kidder, Peabody & Co. With significant experience in financing, analyzing, investing in and managing investments in public and private companies, Mr. Rooke offers expertise in strategic and financial matters.

Maria Sainz joined our Board of Directors in January 2014. Since April 2012, Ms. Sainz has served as President and Chief Executive Officer of CardioKinetix, Inc., a privately-held medical device company based in Menlo Park, California that is pioneering a catheter-based treatment for heart failure. Beginning in April 2008, she served as President and Chief Executive Officer of Concentric Medical, Inc., a privately-held medical device company focused on developing endovascular devices for revascularizing stroke patients. Ms. Sainz held that position until October 2011, when Concentric Medical was acquired by Stryker Corporation, at which time she was named General Manager of the Stryker Neurovascular business unit, a position she held until April 2012. Prior to Concentric Medical, as an advisor to Boston Scientific Corporation's Chief Operating Officer, Ms. Sainz led integration activities following Boston Scientific's acquisition of Guidant Corporation. From February 2003 through June 2006, she served as President of Guidant Corporation's Cardiac Surgery Division, during which time she successfully grew the multi-therapy division's revenue from \$90 million to \$176 million. Prior to that, from January 2001 through February 2003, Ms. Sainz served as Vice President, Global Marketing for the Vascular Intervention Division of Guidant Corporation, where she was responsible for worldwide new product and market development activities. Ms. Sainz currently serves as a director of The Spectranetics Corporation and Orthofix International N.V., both publicly-traded medical device companies, as well as a director of CardioKinetix, Inc. Ms. Sainz brings to the Board over 20 years of experience in the medical device industry having held commercial and general management positions both in the United States and Europe.

John N. Spencer, Jr. joined our Board of Directors in March 2010. Mr. Spencer is a certified public accountant and was a partner of Ernst & Young LLP where he spent more than 38 years until his retirement in 2000.

Mr. Spencer serves on the board of directors of GeoVax Labs, Inc., a publicly traded biotechnology company, and until April 2009, served on the board of directors of Firstwave Technologies, Inc., formerly a publicly traded customer relationship management software company. In addition, he serves as a consultant to various companies, primarily relating to financial accounting and reporting matters. From November 2013 until February 2014, Mr. Spencer served as interim Chief Financial Officer of Applied Genetic Technologies Corporation, which is now a publicly traded biotechnology company, while such company was in registration with the SEC. By virtue of his experience at Ernst & Young, where he was the partner in charge of its life sciences practice for the southeastern United States, together with his continuing expertise as a director of, and a consultant to, other publicly traded and privately held companies, we believe Mr. Spencer offers expertise in accounting, finance and the medical device industry.

Francis (Frank) P. Grillo joined us in October 2014 as President. Mr. Grillo also became our Chief Executive Officer effective January 1, 2015. Prior to joining our company, Mr. Grillo served as Vice President, Marketing and New Business Development of Intuitive Surgical, Inc., a publicly-traded medical technology company, since August 2008. Before joining Intuitive Surgical, Mr. Grillo worked for Kyphon Inc. from February 2006 to June 2008, most recently as Vice President, Marketing and Business Development. Kyphon was a publicly-traded medical technology company prior to its acquisition by Medtronic, Inc. in November 2007. Prior to Kyphon, from September 1996 to January 2006, Mr. Grillo held various positions at Boston Scientific Corporation, most recently as Vice President, Marketing, Women's Health, Urology/Gynecology Division.

Harold A. Hurwitz joined us in March 2015 as Vice President, Finance, and, in May 2015, became our Chief Financial Officer. From February 2013 to January 2015, Mr. Hurwitz served as Chief Executive Officer and President of Pro-Dex, Inc., a publicly-traded contract engineering and manufacturing company serving the medical device, factory automation and scientific research markets. Mr. Hurwitz also held the positions of Chief Financial Officer, Treasurer and Secretary of Pro-Dex from October 2010, when he joined that company, to January 2015. Between March 2010 and September 2010, Mr. Hurwitz served as an independent consultant, providing service primarily to a molecular diagnostics company. From April 2008 to February 2010, Mr. Hurwitz served as Chief Financial Officer and Vice President of Interventional Spine, Inc., a venture-backed medical device company. Prior to joining Interventional Spine, Mr. Hurwitz served as Principal Consultant with McDermott & Bull, a retained executive search firm, from December 2005 to March 2008, where he led the life science and medical technology practice. Mr. Hurwitz served as an independent consultant from December 2004 to December 2005, with his primary client during that time being Micro Therapeutics, Inc., then a publicly-traded medical device company (subsequently acquired by ev3, Inc., and now part of Medtronic plc). He was Chief Financial Officer of Micro Therapeutics, Inc. from December 1997 to December 2004. Earlier in his career, Mr. Hurwitz was a Partner with Coopers & Lybrand L.L.P. (now part of PricewaterhouseCoopers LLP), where he was a Business Assurance Partner, Team Leader of its Orange County Medical Device Practice and an SEC Review Partner. Mr. Hurwitz served as a director of Pro-Dex, Inc. from May 2013 to January 2015.

Peter G. Piferi joined us in December 2006 as Chief Operating Officer. Mr. Piferi has over 20 years of experience in the areas of product development, operations, engineering and production in the medical device industry. From March 2003 to December 2006, Mr. Piferi served as Vice President, Endovascular Technologies for Edwards Lifesciences Corporation. In addition, Mr. Piferi has served as Vice President at Kriton Medical Inc. and Orbus Medical Technologies, Inc., and as Director of Advanced Engineering at Cordis Corporation.

Wendelin C. Maners joined us in December 2014 as Vice President, Marketing. Ms. Maners has more than two decades of global medical device experience focused on the marketing, acquisition, and licensing of medical device technologies. Prior to joining MRI Interventions, Ms. Maners served as Vice President, Emerging Technologies with CSA Medical, where she managed commercial marketing for the company's products, led market development efforts for the company's emerging applications in new market and disease segments and developed internal and external product training programs. Prior to her time with CSA Medical, Ms. Maners served for over 14 years in various roles at Boston Scientific Corporation, most recently as Vice President, Strategy and Business Development. During that time, she developed and executed acquisition strategies in the Neuromodulation and Electrophysiology markets, managed and built technology and venture capital business relationships to assemble a portfolio of investment options for supported divisions and served as a delegate Board member/observer for Boston

Scientific investments, including Cyberonics, Northstar Neuroscience, Neuropace, Intellect Medical, IntraPace, Quallion and MRI Interventions.

Robert C. Korn joined us in November 2012, and he serves as our Vice President, Sales. Mr. Korn has over 20 years of experience in the health care industry focused in the medical device sales and marketing business. During his career, Mr. Korn gained experience in developing and implementing sales and marketing strategies for both Fortune 500 and startup companies. From May 2005 to November 2012, Mr. Korn served as a Regional Sales Director with Medtronic Surgical Technologies, the neurosurgery, ear, nose and throat (ENT) and advanced energy business of Medtronic, Inc. In that position, Mr. Korn managed a sales and clinical support team in the Midwest, and he was responsible for revenues in excess of \$30 million per year. While at Medtronic, Mr. Korn also worked extensively on business development and acquisition opportunities. In 2010, Mr. Korn was named to the Medtronic Corporate Neuroscience Advisory Team. Prior to joining Medtronic, from April 2004 to April 2005, Mr. Korn served as Senior Vice President for Vassol, Inc., a private company, where he was responsible for the company's sales and marketing functions. Prior to Vassol, Mr. Korn held various sales leadership positions with Codman, a Johnson & Johnson company, and he also held multiple sales and marketing positions with the Bayer Corporation's Diagnostics Division.

Board Composition

Our Board of Directors consists of nine members. Each director's term of office runs from the time of his election until the next following annual meeting of our stockholders and until a successor has been elected or until the director's earlier death, resignation or removal. Our certificate of incorporation provides that the authorized number of directors may be changed only by resolution of the Board of Directors and that a director may be removed only for cause by the affirmative vote of the holders of a majority of our voting stock.

Board Independence

We have not applied to list our securities on a national securities exchange or an inter-dealer quotation system which has requirements that a majority of our Board of Directors be independent. However, for purposes of determining independence, we have adopted the provisions of Nasdaq Marketplace Rule 5605. Our Board of Directors undertook a review of the composition of our Board of Directors and its committees and the independence of each director. Based upon information requested from and provided by each director concerning his or her background, employment and affiliations, including family relationships, our Board of Directors has determined that none of Dr. Pizzo, Ms. Sainz, or Messrs. Girin, Koob, Richards, or Spencer, representing six of our nine directors, has a relationship that would interfere with the exercise of independent judgment in carrying out the responsibilities of a director and that each of these directors is "independent" as that term is defined under Rule 5605(a)(2) of the Nasdaq Marketplace Rules. In making such determination, our Board of Directors considered the relationships that each such director has with us and all other facts and circumstances the Board of Directors deemed relevant in determining independence, including the beneficial ownership of our capital stock by each director.

Board Committees

Our Board of Directors has an audit committee, a compensation committee, and a corporate governance and nominating committee.

Audit Committee

Our audit committee consists of Messrs. Girin, Koob and Spencer. Mr. Spencer serves as the Chairperson of the audit committee. The functions of the audit committee include:

- overseeing the audit and other services of our independent registered public accounting firm and being directly responsible for the appointment, compensation, retention and oversight of the independent registered public accounting firm, who will report directly to the audit committee;
- reviewing and pre-approving the engagement of our independent registered public accounting firm to perform audit services and any permissible non-audit services;

- overseeing compliance with the requirements of Section 404 of the Sarbanes-Oxley Act of 2002, as required;
- reviewing our annual and quarterly financial statements and reports and discussing the financial statements and reports with our independent registered public accounting firm and management;
- reviewing and approving all related person transactions pursuant to our Related Party Transaction Policy;
- reviewing with our independent registered public accounting firm and management significant issues that may arise regarding accounting principles and financial statement presentation, as well as matters concerning the scope, adequacy and effectiveness of our internal controls over financial reporting;
- establishing procedures for the receipt, retention and treatment of complaints received by us regarding internal controls over financial reporting, accounting or auditing matters; and
- preparing the audit committee report for inclusion in our proxy statement for our annual meeting.

Our Board of Directors has determined that, at this time, Mr. Spencer is an audit committee financial expert within the meaning of SEC rules. Furthermore, our Board has determined that all the members of the Audit Committee satisfy the independence, experience and other requirements established by the Nasdaq Marketplace Rules, which were adopted by the Company. Our Audit Committee met four times during 2015. Both our independent registered public accounting firm and management periodically meet privately with our audit committee.

A copy of the charter for our audit committee is posted on our website at www.mriinterventions.com. The inclusion of our website address in this prospectus does not include or incorporate by reference the information on our website into this prospectus.

Compensation Committee

Our compensation committee consists of Dr. Pizzo and Messrs. Richards and Spencer. Mr. Richards serves as the Chairperson of the compensation committee. The functions of the compensation committee include:

- determining the compensation and other terms of employment of our Chief Executive Officer and other executive officers and reviewing and approving our performance goals and objectives relevant to such compensation;
- administering and implementing our incentive compensations plans and equity-based plans, including approving option grants, restricted stock and other awards;
- evaluating and recommending to our Board of Directors the equity incentive-compensation plans, equity-based plans and similar programs advisable for us, as well as modifications or terminations of our existing plans and programs;
- reviewing and approving the terms of any employment-related agreements, severance arrangements, change-in-control and similar agreements/provisions and any amendments, supplements or waivers to the foregoing agreements with our Chief Executive Officer and other executive officers;
- to the extent required, reviewing and discussing the Compensation Discussion & Analysis for our annual report and proxy statement with management and determining whether to recommend to our Board of Directors the inclusion of the Compensation Discussion & Analysis in the annual report and proxy statement; and
- to the extent required, preparing a report on executive compensation for inclusion in our proxy statement for our annual meeting.

Each member of our compensation committee is a non-employee director, as defined in Rule 16b-3 promulgated under the Exchange Act, and an outside director, as defined pursuant to Section 162(m) of the Internal Revenue Code of 1986. Furthermore, our Board of Directors has determined that Dr. Pizzo and Messrs. Richards and Spencer each satisfy the independence standards for compensation committees established by the Nasdaq Marketplace Rules. Our compensation committee met two times during 2015.

A copy of the charter for our compensation committee is posted on our website at www.mriinterventions.com. The inclusion of our website address in this prospectus does not include or incorporate by reference the information on our website into this prospectus.

Corporate Governance and Nominating Committee

Our corporate governance and nominating committee consists of Mr. Koob, Dr. Pizzo and Ms. Sainz. Mr. Koob serves as Chairperson of the corporate governance and nominating committee. The functions of the corporate governance and nominating committee include:

- evaluating director performance on the Board of Directors and applicable committees of the Board of Directors;
- interviewing, evaluating, nominating and recommending individuals for membership on our Board of Directors;
- evaluating nominations by stockholders of candidates for election to our Board of Directors;
- reviewing and recommending to our Board of Directors any amendments to our corporate governance documents; and
- making recommendations to the Board of Directors regarding management succession planning.

Our Board of Directors has determined that Mr. Koob, Dr. Pizzo and Ms. Sainz each satisfy the independence standards for the corporate governance and nominating committees established by the Nasdaq Marketplace Rules. Our corporate governance and nominating committee met one time during 2015.

A copy of the charter for our corporate governance and nominating committee is posted on our website at www.mriinterventions.com. The inclusion of our website address in this prospectus does not include or incorporate by reference the information on our website into this prospectus.

Code of Business Conduct and Ethics

Our Board of Directors has adopted a Code of Business Conduct and Ethics. The Code of Business Conduct and Ethics applies to all of our employees, officers (including our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions), agents and representatives, including directors and consultants. The Code of Business Conduct and Ethics is posted on our website at www.mriinterventions.com. We will provide a copy of this document to any person, without charge, upon request, by writing to our Investor Relations Department, 5 Musick, Irvine, CA 92618. We intend to disclose future amendments to certain provisions of our Code of Business Conduct and Ethics, or waivers of such provisions, applicable to any principal executive officer, principal financial officer, principal accounting officer or controller, persons performing similar functions or our directors on our website identified above. The inclusion of our website address in this prospectus does not include or incorporate by reference the information on our website into this prospectus.

Compensation Committee Interlocks and Insider Participation

No member of our compensation committee has ever been an executive officer or employee of ours. None of our executive officers currently serves, or has served during the last completed fiscal year, on the compensation committee or board of directors of any other entity that has one or more executive officers serving as a member of our Board of Directors or compensation committee.

Compensation Risks

We have assessed our compensation programs and have concluded that our compensation policies and practices do not create risks that are reasonably likely to have a material adverse effect on us. Our compensation program is relatively simple and has only three material elements: base salary; annual bonus; and long-term equity compensation. Base salary represents a fixed amount of payment and therefore does not encourage any excessive risk taking. The compensation committee has determined annual bonus amounts by subjectively analyzing company and individual performance for the prior year and only rewarding individual and company performance that, in the opinion of the compensation committee, had a positive effect on stockholder value. The subjective nature of the compensation committee's determinations regarding both the award and the amount of annual bonuses and equity grants provides a significant control over the incentive of an employee to take undue risk in order to receive a larger annual bonus or equity grant. Finally, our long-term equity compensation program generally involves only the issuance of options to our employees. We believe that the equity component of our compensation program serves to align the interest of management with the interests of stockholders and does not encourage excessive risk taking. Based on the foregoing, we believe that our compensation policies and practices do not create inappropriate or unintended significant risk to the company as a whole. We also believe that our compensation arrangements provide incentives that do not encourage risk-taking beyond the organization's ability to effectively identify and manage significant risks; are compatible with effective internal controls and the risk management practices of the company; and are supported by the oversight and administration of the compensation committee with regard to executive compensation programs.

Summary Compensation Table

The following table shows the compensation awarded or paid to, or earned by, our Chief Executive Officer, Chief Financial Officer and Vice President, Sales for the years ended December 31, 2015 and 2014. We refer to these executive officers as our "named executive officers."

Name and Principal Position	Year	Salary (\$)	Bonus (\$)	Option Awards (\$) ⁽¹⁾	All Other Compensation (\$) ⁽²⁾	Total (\$)
Francis P. Grillo ⁽³⁾ Chief Executive Officer	2015	350,000	100,000 ⁽⁴⁾	87,500 ⁽⁵⁾	9,380	546,880 ⁽⁶⁾
	2014	83,686	—	1,351,200 ⁽⁷⁾	—	1,434,886 ⁽⁸⁾
Harold A. Hurwitz ⁽⁹⁾ Chief Financial Officer	2015	174,269	48,300 ⁽¹⁰⁾	271,551 ⁽¹¹⁾	3,797	497,917 ⁽¹²⁾
	2014	—	—	—	—	—
Robert C. Korn Vice President, Sales	2015	220,000	77,994 ⁽¹³⁾	70,000 ⁽¹⁴⁾	11,283	379,277 ⁽¹⁵⁾
	2014	220,000	72,307 ⁽¹³⁾	47,900 ⁽¹⁶⁾	10,574	362,226 ⁽¹⁷⁾

- (1) These amounts do not represent cash compensation paid to the named individual. These non-cash amounts represent only the aggregate grant date fair value of the option awards as computed in accordance with the Financial Accounting Standards Board Accounting Standards Codification, or ASC, Topic 718. For a discussion of the assumptions made in the valuation of the awards, see the discussion under "Management's Discussion and Analysis of Financial Condition and Results of Operations—Critical Accounting Policies and Significant Judgments and Estimates—Share-based Compensation" and Note 2 to the audited financial statements included elsewhere in this prospectus.
- (2) Until otherwise noted, these amounts consist of the group medical, life and disability premiums that we paid.
- (3) Mr. Grillo joined us in October 2014 as our President. Mr. Grillo also became our Chief Executive Officer effective January 1, 2015.
- (4) Of this amount, Mr. Grillo is to be paid \$33,333 in cash and \$66,667 in shares of our common stock on February 1, 2016, the number of shares of such stock-based compensation to be calculated on the basis of the per share market value of our common stock at the close of trading on that date.
- (5) Does not represent cash compensation. Represents only the aggregate grant date fair value in accordance with ASC Topic 718 of options to purchase an aggregate of 250,000 shares of our common stock issued to Mr. Grillo with an exercise price of \$0.74 per share.
- (6) Of this amount, the cash compensation paid, or to be paid, to Mr. Grillo totals \$383,333.
- (7) Does not represent cash compensation. Represents only the aggregate grant date fair value in accordance with ASC Topic 718 of options to purchase an aggregate of 2,400,000 shares of our common stock issued to Mr. Grillo with an exercise price of \$1.13 per share.

- (8) Of this amount, the cash compensation paid to Mr. Grillo totaled \$83,686.
- (9) Mr. Hurwitz joined us in March 2015 as our Vice President, Finance, and became our Chief Financial Officer in May 2015.
- (10) Of this amount, Mr. Hurwitz is to be paid \$36,225 in cash and \$12,075 in shares of our common stock on February 1, 2016, the number of shares of such stock-based compensation to be calculated on the basis of the per share market value of our common stock at the close of trading on that date.
- (11) Does not represent cash compensation. Represents only the aggregate grant date fair value in accordance with ASC Topic 718 of options to purchase an aggregate of 600,000 shares of our common stock issued to Mr. Hurwitz with a weighted average exercise price of \$0.98 per share.
- (12) Of this amount, the cash compensation paid, or to be paid, to Mr. Hurwitz totals \$210,494.
- (13) Represents amounts paid pursuant to Mr. Korn's sales incentive plan.
- (14) Does not represent cash compensation. Represents only the grant date fair value in accordance with ASC Topic 718 of an option to purchase 200,000 shares of our common stock issued to Mr. Korn with an exercise price of \$0.74 per share.
- (15) Of this amount, the cash compensation paid to Mr. Korn totaled \$297,994.
- (16) Does not represent cash compensation. Represents only the grant date fair value in accordance with ASC Topic 718 of an option to purchase 100,000 shares of our common stock issued to Mr. Korn with an exercise price of \$0.98 per share.
- (17) Of this amount, the cash compensation paid, or to be paid, to Mr. Korn totals \$292,307.

Outstanding Equity Awards at December 31, 2015

The table below sets forth information regarding the outstanding equity awards held by our named executive officers at December 31, 2015.

Name	Option Awards			
	Number of Securities Underlying Unexercised Options (#)	Number of Securities Underlying Unexercised Options (#)	Option Exercise Price (\$)	Option Expiration Date
	Exercisable	Unexercisable		
Francis P. Grillo	800,000(1)	1,600,000(1)	1.13	October 6, 2024
	–(2)	250,000(2)	0.74	August 13, 2025
Harold A. Hurwitz	–(3)	450,000(3)	1.06	March 30, 2025
	–(4)	150,000(4)	0.74	August 13, 2025
Robert C. Korn	300,000	–	1.63	November 10, 2022
	66,666(5)	33,334(5)	1.51	November 5, 2023
	33,334(6)	66,666(6)	0.98	November 10, 2024
	–(7)	200,000(7)	0.74	August 13, 2025

- (1) One-third of the shares subject to this option vested on the first anniversary of the grant date, October 6, 2015. An additional one-third of the shares will vest on the second anniversary of the grant date, October 6, 2016. The remaining shares subject to this option vest on the third anniversary of the grant date, October 6, 2017.
- (2) One-third of the shares subject to this option will vest on the first anniversary of the grant date, August 13, 2016. The remaining two-thirds of the shares will vest ratably in 24 equal monthly installments beginning in the first month following the first anniversary of the grant date.
- (3) One-third of the shares subject to this option will vest on the first anniversary of the grant date, March 30, 2016. An additional one-third of the shares will vest on the second anniversary of the grant date, March 30, 2017. The remaining shares subject to this option vest on the third anniversary of the grant date, March 30, 2018.
- (4) One-third of the shares subject to this option will vest on the first anniversary of the grant date, August 13, 2016. The remaining two-thirds of the shares will vest ratably in 24 equal monthly installments beginning in the first month following the first anniversary of the grant date.
- (5) One-third of the shares subject to this option vested on the first anniversary of the grant date, November 5, 2014. An additional one-third of the shares vested on the second anniversary of the grant date, November 5, 2015. An additional one-third of the shares will vest on the on the third anniversary of the grant date, November 5, 2016.
- (6) One-third of the shares subject to this option vested on the first anniversary of the grant date, November 10, 2015. An additional one-third of the shares will vest on the second anniversary of the grant date, November 10, 2016. The remaining shares subject to this option vest on the third anniversary of the grant date, November 10, 2017.
- (7) One-third of the shares subject to this option will vest on the first anniversary of the grant date, August 13, 2016. The remaining two-thirds of the shares will vest ratably in 24 equal monthly installments beginning in the first month following the first anniversary of the grant date.

Option Exercises

None of our named executive officers exercised stock options in 2015.

Employment Agreements

Each of our named executive officers had a written employment agreement with the Company during 2015. In September 2014, we entered into an employment agreement with Mr. Grillo. In March 2015, we entered into an employment agreement with Mr. Hurwitz. In November 2012, we entered into an employment agreement with Mr. Korn.

Term

Under each of the employment agreements, the employment of the named executive officer may be terminated by either party upon written notice to the other party.

Compensation

The base salaries of our named executive officers, as of December 31, 2015, were as follows:

Named Executive Officer	Title	Base Salary⁽¹⁾
Francis P. Grillo	Chief Executive Officer and President	\$350,000
Harold A. Hurwitz	Chief Financial Officer and Corporate Secretary	\$230,000
Robert C. Korn	Vice President, Sales	\$220,000

- (1) Each named executive officer's salary is subject to adjustment at the discretion of the compensation committee, subject to certain limitations.

Bonus. Mr. Grillo is eligible to receive an annual target incentive bonus of 40% of his annual base salary, subject to certain performance goals to be established by the Compensation Committee. The amount of the incentive bonus payable to Mr. Grillo may be more or less than the target amount, depending on whether, and to what extent, applicable performance goals for such year have been achieved. Mr. Hurwitz is eligible to receive an annual target incentive bonus of 30% of his annual base salary, subject to certain performance goals to be established by the Compensation Committee. The amount of the incentive bonus payable to Mr. Hurwitz may be more or less than the target amount, depending on whether, and to what extent, applicable performance goals for such year have been achieved. Mr. Korn is eligible for additional cash compensation under a sales incentive plan, which is targeted to yield an annual payout of at least \$100,000 for reaching targeted sales levels. The actual payout under Mr. Korn's sales incentive plan may be more or less than the targeted payout based on actual sales achieved.

Option Awards. Pursuant to our employment agreement with Mr. Grillo, Mr. Grillo received, on the start date of his employment, an option to purchase 2,400,000 shares of our common stock. That option, which was granted October 6, 2014, has an exercise price of \$1.13 per share, has a term of 10 years from the date of grant and vests in three equal annual installments, which began on October 6, 2015, subject to vesting acceleration under certain circumstances. Pursuant to our employment agreement with Mr. Hurwitz, Mr. Hurwitz received, on the start date of his employment, an option to purchase 450,000 shares of our common stock. That option, which was granted March 30, 2015, has an exercise price of \$1.06 per share, has a term of 10 years from the date of grant and vests in three equal annual installments beginning March 30, 2016, subject to vesting acceleration under certain circumstances. In addition, on March 30, 2016 and March 30, 2017, Mr. Hurwitz will receive additional stock options entitling him to purchase 150,000 shares of common stock (such number to be equitably adjusted for any stock split, stock combination or other similar transaction occurring between the date hereof and the date of grant). Each of those option grants will have an exercise price equal to the then fair market value of our common stock, have a term of 10 years from the date of grant and vest over three years in equal installments, on the first, second and third year anniversaries of the grant date. Pursuant to our employment agreement with Mr. Korn, Mr. Korn received options to purchase 300,000 shares of our common stock on the start date of his employment and additional options to purchase 100,000 shares of our common stock on or about the first and second year anniversaries of the start date of his employment.

The first of those anniversary date option awards was granted on November 5, 2013, with an exercise price of \$1.51 per share. The second anniversary date option award was granted on November 10, 2014, with an exercise price of \$0.98 per share. Both options granted to Mr. Korn have 10 year terms and vest in three equal annual installments measured from the applicable option grant date, subject to vesting acceleration under certain circumstances.

All Other Compensation. Each named executive officer was entitled to participate in any benefit plan from time to time in effect for our executives and/or employees generally, subject to the eligibility provisions of that plan.

Payments Upon Termination or Change of Control

Termination Payments

In the event we terminate the employment of Mr. Grillo without cause or if Mr. Grillo terminates his employment for good reason, as those terms are defined in his employment agreement, then he will be entitled to receive: (1) an amount equal to his annual base salary in effect on the termination date; (2) an amount equal to his average bonus for the previous two years, if any, except that, if the termination occurs during 2015, the average bonus will be deemed to be the target bonus for 2015; and (3) \$18,000. In addition, if we terminate Mr. Grillo's employment without cause or Mr. Grillo terminates his employment for good reason, any unvested stock options and restricted stock previously granted to him will become fully vested on the termination date and, in the case of stock options, will be exercisable until the earlier of three years after the termination date or the final expiration date provided for in the applicable award agreement.

In the event we terminate the employment of Mr. Hurwitz without cause, as that term is defined in his employment agreement, then Mr. Hurwitz will receive: (1) any portion of base salary and bonus compensation earned but unpaid as of the termination date, plus any unreimbursed business expenses he incurred as of the termination date; (2) any amounts due pursuant to the terms of any award or benefit plans in which he was a participant, in accordance with the terms of such plans; and (3) an amount equal to 25% of his base salary in effect on the termination date, which will be paid in six semi-monthly installments.

If we terminate Mr. Korn's employment without cause, then Mr. Korn will be entitled to receive an amount equal to 25% of his base salary in effect on the termination date, which amount would be paid in six semi-monthly installments.

Change of Control Payments

Upon a change of control, as such term is defined in Mr. Grillo's employment agreement, any unvested stock options and restricted stock previously granted to Mr. Grillo will become fully vested. In addition, if we terminate Mr. Grillo's employment without cause, or if he terminates his employment for good reason, in either case within two months prior to or within 12 months following the change of control, then Mr. Grillo will be entitled to receive a lump sum payment equal to the sum of: (1) two times his annual base salary in effect on the termination date; (2) two times the average of his two highest bonuses paid in the previous three years; and (3) \$18,000.

Upon a change of control, as such term is defined in Mr. Hurwitz's employment agreement, any unvested stock options previously granted to Mr. Hurwitz will become fully vested. In addition, if we terminate Mr. Hurwitz's employment without cause within two months prior to or within six months following the change of control, then Mr. Hurwitz will be entitled to receive: (1) any portion of base salary and bonus compensation earned but unpaid as of the termination date, plus unreimbursed business expenses he incurred as of the termination date; (2) any amounts due pursuant to the terms of any award or benefit plans in which he was a participant, in accordance with the terms of such plans; and (3) a lump sum amount equal to 50% of his base salary in effect on the termination date.

Upon a change of control involving a sale transaction, as those terms are defined in Mr. Korn's employment agreement, any unvested stock options and restricted stock previously granted to Mr. Korn will become fully vested. In addition, if we terminate Mr. Korn's employment without cause, or if Mr. Korn terminates his employment for good reason, in either case within two months prior to or within six months following the sale transaction, then he will be entitled to receive a lump sum payment equal to: (1) his COC Multiplier, which is set forth below, times his base salary in effect on the termination date; plus (2) \$18,000.

Mr. Korn's COC Multiplier is based on the value of the sale transaction and is determined as follows:

<u>Value of Sale Transaction</u>	<u>COC Multiplier</u>
Less than \$60,000,000	0
\$60,000,000-\$99,999,999	0.5
\$100,000,000-\$139,999,999	0.75
\$140,000,000-\$179,999,999	1.0
\$180,000,000-\$219,999,999	1.25
\$220,000,000 or more	1.5

Upon a change of control not involving a sale transaction, any unvested stock options and restricted stock previously granted to Mr. Korn will become fully vested. In addition, if we terminate Mr. Korn's employment without cause, or if Mr. Korn terminates his employment for good reason, in either case within two months prior to or within six months following the change of control, then he will be entitled to receive a lump sum payment equal to: (1) 50% of his base salary in effect on the termination date, plus (2) \$18,000.

Non-Competition; Non-Solicitation; Confidentiality; Assignment of Inventions

In connection with their employment agreements, each of the executives also entered into a confidentiality agreement and non-compete agreement, which agreements impose on the executive customary restrictive covenants prohibiting the disclosure of our confidential information, requiring the executive to assign us any invention discovered in the scope of his employment, prohibiting him from competing with us during the term of his employment and for one year following the termination of his employment, and prohibiting him from soliciting our employees, consultants and contractors during the term of his employment and for two years following the termination of his employment.

2015 Director Compensation

The following table sets forth information with respect to the compensation of our non-employee directors in 2015.

<u>Name</u>	<u>Fees Earned or Paid in Cash (\$)</u>	<u>Option Awards (\$)⁽¹⁾</u>	<u>All Other Compensation (\$)</u>	<u>Total (\$)</u>
Kimble L. Jenkins ⁽²⁾	\$ 13,250 ⁽²⁾	\$ 9,798 ⁽³⁾	\$ –	\$ 23,048
Pascal E.R. Girin	\$ 20,500 ⁽⁴⁾	\$ 9,798 ⁽³⁾	\$ –	\$ 30,298
Charles E. Koob	\$ 28,000 ⁽⁵⁾	\$ 9,798 ⁽³⁾	\$ –	\$ 37,798
Philip A. Pizzo	\$ 23,500 ⁽⁶⁾	\$ 9,798 ⁽³⁾	\$ –	\$ 33,298
Timothy T. Richards	\$ 24,000 ⁽⁷⁾	\$ 9,798 ⁽³⁾	\$ –	\$ 33,798
Andrew K. Rooke	\$ 18,000 ⁽⁸⁾	\$ 9,798 ⁽³⁾	\$ –	\$ 27,798
Michael J. Ryan ⁽⁹⁾	\$ 5,750 ⁽⁹⁾	\$ 12,005 ⁽⁹⁾	\$ –	\$ 17,755
Maria Sainz	\$ 21,000	\$ 9,798 ⁽³⁾	\$ –	\$ 30,798
John N. Spencer, Jr.	\$ 29,000 ⁽¹⁰⁾	\$ 9,798 ⁽³⁾	\$ –	\$ 38,798

- (1) These amounts do not represent cash compensation paid to the named individuals. These non-cash amounts represent either: (a) the aggregate grant date fair value of option awards; or (b) the date on which original option terms were modified, as applicable and as described below, computed in accordance with ASC Topic 718. For a discussion of the assumptions made in the valuation of the awards, see the discussion under "Management's Discussion and Analysis of Financial Condition and Results of Operations—Critical Accounting Policies and Significant Judgments and Estimates—Share-based Compensation" and Note 2 to the audited financial statements included elsewhere in this prospectus.

- (2) On April 1, 2015, Mr. Jenkins' employment as our Chief Executive Officer ceased. Thereafter, Mr. Jenkins continued as our Chairman in a non-executive role. Accordingly, on that date, Mr. Jenkins commenced earning compensation under our Non-Employee Director Compensation Plan and elected to receive 15,694 shares of our common stock in lieu of cash fees totaling \$8,333.
- (3) Represents the grant date fair value of a stock option grant following our 2015 Annual Meeting of Stockholders, which entitles the director to purchase 20,000 shares of our common stock at an exercise price of \$1.04 per share.
- (4) Under our Non-Employee Director Compensation Plan, Mr. Girin elected to receive 33,020 shares of our common stock in lieu cash fees totaling \$20,500.
- (5) Under our Non-Employee Director Compensation Plan, Mr. Koob elected to receive 43,865 shares of our common stock in lieu cash fees totaling \$28,000.
- (6) Under our Non-Employee Director Compensation Plan, Dr. Pizzo elected to receive 37,171 shares of our common stock in lieu cash fees totaling \$23,500.
- (7) Under our Non-Employee Director Compensation Plan, Mr. Richards elected to receive 37,635 shares of our common stock in lieu cash fees totaling \$24,000.
- (8) Under our Non-Employee Director Compensation Plan, Mr. Rooke elected to receive 28,291 shares of our common stock in lieu cash fees totaling \$18,000.
- (9) On April 1, 2015, Mr. Ryan voluntarily resigned as a director of the Company to give Mr. Grillo the opportunity to serve on the Board. Mr. Ryan's resignation was not the result of any disagreement with us, our management or our operations, policies or practices. In recognition of Mr. Ryan's contributions as director, our Board approved the acceleration of vesting of two stock options previously awarded to Mr. Ryan and extended the exercise period through April 1, 2017 for all vested options held by Mr. Ryan. In conformity with ASC Topic 718, we revalued Mr. Ryan's stock option based on the modified terms described above and recorded share-based compensation expense of \$12,005. In addition, under our Non-Employee Director Compensation Plan, Mr. Ryan elected to receive 3,833 shares of our common stock in lieu cash fees totaling \$3,833.
- (10) Under our Non-Employee Director Compensation Plan, Mr. Spencer elected to receive 30,281 shares of our common stock in lieu cash fees totaling \$19,333.

Benefit Plans

2007 Stock Incentive Plan

We adopted the 2007 Stock Incentive Plan in March 2007 to enable us to attract, retain and motivate our officers, directors, employees and consultants. Of the 625,000 shares of common stock that were eligible for issuance pursuant to awards made under this plan, 56,125 shares of common stock were subject to options outstanding as of December 31, 2015. As of such date, the outstanding options had a weighted average exercise price of \$7.95 per share and had expiration dates ranging from March 2017 to December 2019. Although this plan remains in effect and options under the plan remain outstanding, we ceased making awards under the plan upon the adoption of our 2010 Incentive Compensation Plan.

2010 Equity Plans

We adopted our 2010 Incentive Compensation Plan in April 2010, and we adopted our 2010 Non-Qualified Stock Option Plan in December 2010. The principal purpose of both plans was to attract, retain and motivate selected employees, consultants and directors through the granting of stock-based compensation awards. Of the 1,250,000 shares of common stock that were eligible for issuance pursuant to awards made under the 2010 Incentive Compensation Plan, 449,450 shares of common stock were subject to options outstanding as of December 31, 2015. As of such date, the outstanding options had exercise prices of \$1.80 per share and had expiration dates in December 2020. Of the 2,565,675 shares of common stock that were eligible for issuance pursuant to awards made under the 2010 Non-Qualified Stock Option Plan, 2,145,000 shares of common stock were subject to options outstanding December 31, 2015. As of such date, the outstanding options had exercise prices of \$1.80 per share and had expiration dates in December 2020. Although these plans remain in effect and options under the plans remain outstanding, we ceased making awards under these plans upon the adoption of our 2012 Incentive Compensation Plan.

2012 Incentive Compensation Plan

We adopted our 2012 Incentive Compensation Plan in February 2012. The principal purpose of the plan was to attract, retain and motivate selected employees, consultants and directors through the granting of stock-based compensation awards. Of the 3,000,000 shares of common stock that were eligible for issuance pursuant to awards made under this plan, 2,661,067 shares of common stock were subject to options outstanding as of December 31, 2015. As of such date, the outstanding options had a weighted average exercise price of \$1.04 per share and had expiration dates ranging from April 2022 to May 2023. Although this plan remains in effect and options under the plan remain outstanding, we ceased making awards under the plan upon stockholder approval of our 2013 Incentive Compensation Plan.

2013 Amended and Restated Incentive Compensation Plan

We adopted our 2013 Incentive Compensation Plan in March 2013. The principal purpose of the 2013 Incentive Compensation Plan is to attract, retain and motivate selected employees, consultants and directors through the granting of stock-based compensation awards and cash-based performance bonus awards, and at our 2015 Annual Meeting, the Company's stockholders approved the adoption of the MRI Interventions, Inc. Amended and Restated 2013 Incentive Compensation Plan, or the 2013 Plan. The material change effected by the amendment was to increase the number of shares of our common stock available for awards thereunder by 5,000,000 shares, resulting in a total of 6,250,000 shares of our common stock being reserved for issuance under the 2013 Plan, as amended. The 2013 Plan is also designed to permit us to make cash-based awards and equity-based awards intended to qualify as "performance-based compensation" under Section 162(m) of the Code.

Eligibility. Awards may be granted under the 2013 Plan to officers, directors (including non-employee directors) and other employees of the Company or any of our subsidiaries or other affiliates, and to any individual who is an advisor, consultant or other provider of services to us or any of our subsidiaries or other affiliates. Only our employees or those of any of our subsidiaries are eligible to receive incentive stock options.

Administration, Amendment and Termination. Our Compensation Committee has the power and authority to administer the 2013 Plan. The Compensation Committee has the authority to interpret the terms and intent of the 2013 Plan, determine eligibility for and terms of awards for participants and make all other determinations necessary or advisable for the administration of the 2013 Plan. To the extent permitted by law, our Compensation Committee may delegate authority under the 2013 Plan to our Chief Executive Officer or to our other executive officers under conditions and limitations the Compensation Committee may establish.

The Compensation Committee may amend, suspend or terminate the 2013 Plan at any time with respect to any shares of common stock as to which awards have not been made. However, no amendment may be made without the approval of the Company's stockholders if the amendment would increase the total number of shares reserved for the purposes of the 2013 Plan or change the maximum number of shares for which awards may be granted to any participant (which does not include adjustments made by the Compensation Committee in the event of certain changes in our capitalization, as described below).

Awards. Awards under the 2013 Plan may be made in the form of: options; stock appreciation rights; stock awards; restricted share units; cash bonuses; or other incentive awards granted under the 2013 Plan; whether singly, in combination, or in tandem. Any of the foregoing awards may be made subject to attainment of performance goals over any applicable performance period.

Shares Subject to the Plan. The aggregate number of shares of our common stock that may be issued pursuant to awards under the 2013 Plan and the maximum number of shares that may be issued pursuant to the exercise of incentive stock options under the 2013 Plan is 6,250,000 shares. Shares issued under the 2013 Plan may be authorized but unissued shares or treasury shares. Any shares covered by an award, or portion of an award, granted under the 2013 Plan that is forfeited or canceled or expires will be deemed not to have been issued for purposes of determining the maximum number of shares available for issuance under the plan. Of the 6,250,000 shares of common stock that are eligible for issuance pursuant to awards made under the 2013 Plan, 2,744,667 shares of common stock were subject to options outstanding as of December 31, 2015. As of such date, the outstanding options had a weighted average exercise price of \$0.95 per share and had expiration dates ranging from April 2023 to August 2025. No awards other than options were outstanding under the 2013 Plan as of December 31, 2015.

Adjustment of Shares Subject to 2013 Plan. In the event of certain changes in our capitalization, the Compensation Committee will adjust, among other award terms, the number and kind of shares or property that may be delivered in connection with awards and the exercise price, grant price or purchase price relating to any award in such manner as the Compensation Committee determines to be necessary to prevent dilution or enlargement of the rights of participants.

Effect of Change of Control. Upon the occurrence of a change of control, the Compensation Committee may:

- accelerate, vest or cause the restrictions to lapse with respect to all or any portion of an award under the 2013 Plan;
- cancel such awards for fair value (as determined by the Compensation Committee);
- provide for the issuance of substitute awards that will substantially preserve the otherwise applicable terms of any affected awards previously granted under the 2013 Plan, as determined by the Compensation Committee; or
- provide that for a period of at least 10 days prior to the change of control, option awards will be exercisable as to all shares of common stock subject thereto and that upon the occurrence of the change of control, such awards will terminate and be of no further force or effect.

Corporate Performance Objectives. Section 162(m) of the Code limits public companies to an annual deduction for federal income tax purposes of \$1,000,000 for compensation paid to their Chief Executive Officer and, based on recent IRS interpretation, the three most highly compensated executive officers determined at the end of each year. Performance-based compensation is excluded from this limitation. The 2013 Plan is designed to permit the Compensation Committee to grant awards that qualify as performance-based compensation for purposes of satisfying the conditions of Section 162(m).

2013 Non-Employee Director Equity Incentive Plan

We adopted the 2013 Non-Employee Director Equity Incentive Plan in December 2013 to enable us to attract, retain and motivate non-employee directors of outstanding ability through the granting of stock-based awards. As of December 31, 2015, all of the 575,000 shares of common stock that were eligible for issuance pursuant to awards made under this plan have been awarded. As of such date, 415,000 shares of common stock were subject to options outstanding with a weighted average exercise price of \$1.04 per share and expiration dates ranging from January 2024 to June 2025. Although this plan remains in effect and options under the plan remain outstanding, upon exhaustion of awards of shares eligible for issuance under this plan, stock-based awards to our non-employee directors are now made under the provisions of the 2013 Plan which is discussed above.

Key Personnel Incentive Program

We adopted, with an effective date in September 2006 and as amended in June 2010 and June 2013, the Key Personnel Incentive Program, or the KPIP, to provide a consultant and a then-employee who, at the time of adoption of the KPIP, were key to our development and licensing activities, with the opportunity to receive incentive bonus payments upon a consummation of a sale transaction, as defined in the KPIP. The Compensation Committee is responsible for administering the program, and the only participants in the program are Paul A. Bottomley and Parag Karmarkar. The program will terminate on the earlier of December 31, 2025 or the occurrence of a sale transaction.

In the event of a sale transaction, each of the participants will be entitled to receive a bonus payment under the program as of the date of the transaction. Mr. Karmarkar would receive a bonus equal to \$1,000,000. Dr. Bottomley would receive a bonus equal to: (1) \$1,000,000, plus (2) 1.4% of the amount by which the “net proceeds” from the sale transaction exceed \$50,000,000, but not to exceed \$700,000. For purposes of the KPIP, the “net

proceeds” from a sale transaction will be the portion of the aggregate cash and non-cash consideration paid or payable in connection with the consummation of the sale transaction that is distributed, or otherwise available for distribution, to holders of our common stock.

Cardiac EP Business Participation Plan

In June 2010, we adopted the Cardiac EP Business Participation Plan, or the EP Participation Plan, to enable us to provide a key product development advisor and consultant with financial rewards in the event we sell our business operations relating to catheter-based MRI-guided cardiac ablation to treat cardiac arrhythmias, which we refer to as our cardiac EP business operations. The cardiac EP business operations include our operations relating to our ClearTrace system for MRI-guided cardiac ablation to treat cardiac arrhythmias, which system remains under development, but it does not include our operations relating to our ClearPoint system or any other product or product candidate. The sole participant in the EP Participation Plan is Dr. Nassir F. Marrouche.

In the event we sell our cardiac EP business operations, whether on a stand-alone basis or as part of the sale of our entire company, the participant will receive a payment under the EP Participation Plan equal to: (1) the transaction value paid for or allocated to the cardiac EP business operations in the sale, multiplied by (2) the participant’s “participation interest” at the time of the sale. The participant was initially awarded a participation interest of 6.6%. Pursuant to the terms of the EP Participation Plan, that percentage interest is equitably reduced from time to time to take into account equity financing transactions in which we issue shares of our common stock or securities convertible into shares of our common stock in exchange for cash proceeds. As of December 31, 2015, the participant’s participation interest was 2.5%. The plan will terminate on June 2, 2025.

401(k) Plan

We offer a 401(k) plan pursuant to Section 401(k) of the Code. All full-time United States employees are eligible to participate in the plan. The plan permits pretax contributions by participants not to exceed annual amounts allowable under the Code. Participants are fully vested in their contributions.

Limitations on Directors’ Liability and Indemnification Agreements

As permitted by Delaware law, we have adopted provisions in our certificate of incorporation and bylaws that limit or eliminate the personal liability of directors for a breach of their fiduciary duty of care as a director. The duty of care generally requires that, when acting on behalf of the corporation, a director exercise an informed business judgment based on all material information reasonably available to him or her. Consequently, a director will not be personally liable to us or our stockholders for monetary damages or breach of fiduciary duty as a director, except for liability for any:

- breach of the director’s duty of loyalty to us or our stockholders;
- act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- act related to unlawful stock repurchases, redemptions or other distributions or payments of dividends; or
- transaction from which the director derived an improper personal benefit.

These limitations of liability do not limit or eliminate our rights or any stockholder’s rights to seek non-monetary relief, such as injunctive relief or rescission. These provisions will not alter a director’s liability under federal securities laws. Our certificate of incorporation also authorizes us to indemnify our officers, directors and other agents to the fullest extent permitted under Delaware law.

As permitted by Delaware law, our bylaws also provide that:

- we will indemnify our directors, officers, employees and other agents to the fullest extent permitted by law;

- we may advance expenses to our directors, officers, employees and other agents in connection with a legal proceeding to the fullest extent permitted by law; and
- the rights provided in our bylaws are not exclusive.

We believe that indemnification under our bylaws covers at least negligence and gross negligence on the part of indemnified parties. Our bylaws also permit us to secure insurance on behalf of any officer, director, employee or other agent for any liability arising out of his or her actions in connection with their services to us, regardless of whether our bylaws permit such indemnification. We have obtained such insurance.

In addition to the indemnification provided for in our certificate of incorporation and bylaws, we have entered into separate indemnification agreements with each of our directors and executive officers. These indemnification agreements may require us, among other things, to indemnify our directors and officers for some expenses, including attorneys' fees, judgments, fines and settlement amounts incurred by a director or officer in any action or proceeding arising out of his or her service as one of our directors or officers, or any of our subsidiaries or any other company or enterprise to which the person provides services at our request. We believe that these provisions and agreements are necessary to attract and retain qualified individuals to serve as directors and officers. There is no pending litigation or proceeding involving any of our directors or officers to which indemnification is required or permitted, and we are not aware of any threatened litigation or proceeding that may result in a claim for indemnification.

CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS

Policies and Procedures for Related Person Transactions

We adopted a related person transactions policy, pursuant to which our executive officers, directors and principal stockholders, including their immediate family members, are not permitted to enter into a related person transaction with us without the consent of our audit committee. Any request for us to enter into a transaction with an executive officer, director, principal stockholder or any of such persons' immediate family members, other than a transaction available to all employees generally or involving less than \$5,000 when aggregated with similar transactions, must be presented to our audit committee for review, consideration and approval, unless the transaction involves an employment or other compensatory arrangement approved by our compensation committee. All of our directors, executive officers and employees are required to report to our audit committee any such related person transaction. In approving or rejecting the proposed agreement, our audit committee will take into account, among other factors it deems appropriate, whether the proposed related person transaction is on terms no less favorable than terms generally available to an unaffiliated third party under the same or similar circumstances, the extent of the person's interest in the transaction and, if applicable, the impact on a director's independence. After consideration of these and other factors, the audit committee may approve or reject the transaction. Consistent with the policy, if we should discover related person transactions that have not been approved, the audit committee will be notified and will determine the appropriate action, including ratification, rescission or amendment of the transaction.

Related Person Transactions

The following is a description of transactions since January 1, 2013 to which we have been a party, in which the amount involved in the transaction exceeds \$106,293, which is 1% of the average of our total assets at year-end for our 2013 and 2014 fiscal years, and in which any of our executive officers, directors and principal stockholders, including their immediate family members, had or will have a direct or indirect material interest.

In January 2013, we entered into a securities purchase agreement with certain investors for the sale of shares of our common stock and warrants to purchase shares of our common stock in a private placement offering. In the offering, we sold to the investors 9,201,684 shares of common stock, together with warrants to purchase 4,600,842 shares of common stock, for aggregate gross proceeds of \$11.0 million. The warrants were fully vested and exercisable upon issuance, have a term of five years from the date of issuance and have an exercise price of \$1.75 per share. Four of our non-employee directors, Bruce C. Conway, James K. Malernee, Jr., Michael A. Pietrangelo and John N. Spencer, Jr., invested \$402,000 in the offering and acquired, in the aggregate, 335,000 shares of our common stock and warrants to purchase 167,500 shares of our common stock.

In March 2014, we entered into securities purchase agreements with certain investors for the sale of 12% second-priority, secured non-convertible promissory notes due 2019 and warrants to purchase shares of our common stock in a private placement offering. In the offering, we sold the investors notes in an aggregate principal amount of \$3,725,000, together with warrants to purchase 1,117,500 shares of common stock, for aggregate gross proceeds of \$3,725,000. The warrants were fully vested and exercisable upon issuance, have a term of five years from the date of issuance and have an exercise price of \$1.75 per share. One of our directors, Michael A. Pietrangelo, and a trust for which another of our directors, Andrew K. Rooke, serves as trustee, invested \$1,100,000 in the offering and acquired notes in a total aggregate principal amount of \$1,100,000 and warrants to purchase 330,000 shares of our common stock.

In December 2014, we entered into a securities purchase agreement with certain investors for the sale of shares of our common stock and warrants to purchase shares of our common stock in a private placement offering. In the offering, we sold to the investors 15,812,808 shares of common stock, together with warrants to purchase 6,325,125 shares of common stock, for aggregate gross proceeds of \$10.2 million. The warrants were fully vested and exercisable upon issuance, have a term of five years from the date of issuance and have an exercise price of \$0.858 per share. One of our non-employee directors, Maria Sainz, and a beneficial owner of more than five percent of our common stock, Bruce C. Conway, invested \$1,015,500 in the offering and acquired, in the aggregate, 1,578,088 shares of our common stock and warrants to purchase 631,236 shares of our common stock.

In connection with our December 2014 financing, we entered into derivative restriction agreements with each of our directors and executive officers. Under the derivative restriction agreements, each director and executive

officer is prohibited from exercising his or her outstanding options and warrants for shares of our common stock until our certificate of incorporation has been amended to provide a number of authorized shares sufficient to permit us to reserve shares of our common stock for exercise of such options and warrants. Derivative restriction agreements were entered into with respect to 9,141,250 shares underlying outstanding options and warrants held by our directors and executive officers. The purpose of the derivative restriction agreements was to ensure a sufficient number of authorized, unissued and unreserved shares of common stock to enable us to consummate the December 2014 financing. On June 4, 2015, all of the derivative restriction agreements lapsed pursuant to their terms.

In December 2015, we entered into a securities purchase agreement with certain investors for the sale of shares of our common stock, Series A Warrants to purchase shares of our common stock and Series B Warrants to purchase shares of our common stock in a private placement offering. In the offering, we sold to the investors 16,309,270 shares of common stock, together with Series A Warrants to purchase 6,523,708 shares of common stock and Series B Warrants to purchase 4,892,781 shares of common stock, for aggregate gross proceeds of \$5,294,000. The Series A Warrants were fully vested and exercisable upon issuance, have a term of five years from the date of issuance and have an exercise price of \$0.4058 per share. The Series B Warrants were fully vested and exercisable upon issuance, have a term of five years from the date of issuance and have an exercise price of \$0.5275 per share. Our placement agents for the financing, together with the sub-agents it engaged, collectively received Placement Agent Warrants to purchase up to 1,630,920 shares of our common stock. The Placement Agent Warrants have the same exercise price and substantially the same terms and conditions as the Series A Warrants, except that the Placement Agent Warrants have a term of seven and one-half years. The placement agents also earned aggregate commissions of \$380,120.83 from the December 2015 PIPE financing. Our Chief Executive Officer, Francis P. Grillo, our non-employee director, Timothy T. Richards, a foundation for which another of our non-employee directors, Andrew K. Rooke, serves as president, and a trust for which our non-employee director, Charles E. Koob, serves as trustee invested, in the aggregate, \$475,000 in the offering and acquired, in the aggregate, 1,463,335 shares of our common stock, Series A Warrants to purchase 585,335 shares of our common stock and Series B Warrants to purchase 439,005 shares of our common stock.

In addition to the disclosure above, the terms of the Key Personnel Incentive Plan, which is more fully described in the section entitled “Benefit Plans—Key Personnel Incentive Plan,” is incorporated and restated herein.

Indemnification Agreements

We have entered into separate indemnification agreements with each of our directors and executive officers, in addition to the indemnification provided for in our certificate of incorporation and bylaws. See “Management—Limitations on Directors’ Liability and Indemnification Agreements.”

PRINCIPAL STOCKHOLDERS

The following table sets forth information as of December 31, 2015 regarding the beneficial ownership of our common stock by:

- each person, or group of affiliated persons, who is known by us to own beneficially five percent or more of our common stock;
- each of our directors;
- each of our named executive officers; and
- all our directors and executive officers as a group.

Percentage ownership calculations for beneficial ownership are based on 91,381,488 shares outstanding as of December 31, 2015.

Except as otherwise indicated below, the address of each officer, director and five percent stockholder listed below is c/o MRI Interventions, Inc., 5 Musick, Irvine, CA 92618.

We have determined beneficial ownership in accordance with the rules of the Securities and Exchange Commission. These rules generally attribute beneficial ownership of securities to persons who possess sole or shared voting power or investment power with respect to those securities. In addition, the rules include shares of common stock issuable pursuant to the exercise of stock options and warrants that are either immediately exercisable or exercisable within 60 days of December 31, 2015. These shares are deemed to be outstanding and beneficially owned by the person holding those options or warrants for the purpose of computing the percentage ownership of that person, but they are not treated as outstanding for the purpose of computing the percentage ownership of any other person. Unless otherwise indicated, the persons or entities identified in this table have sole voting and investment power with respect to all shares shown as beneficially owned by them.

Beneficial Owner	Number of Shares Owned	% of Shares Outstanding
5% Stockholders		
Bruce C. Conway 5403 Drane Dr. Dallas, TX 75209	9,069,206 (1)	9.93
Directors and Named Executive Officers		
Kimble L. Jenkins	2,305,829 (2)	2.52
Pascal E.R. Girin	74,864 (3)	*
Charles E. Koob	948,853 (4)	1.04
Philip A. Pizzo	130,508 (5)	*
Timothy T. Richards	230,381 (6)	*
Andrew K. Rooke	7,081,462 (7)	7.75
Maria Sainz	96,085 (8)	*
John N. Spencer, Jr.	316,119 (9)	*
Francis P. Grillo	1,323,722 (10)	1.45
Harold A. Hurwitz	—	—
Robert C. Korn	400,000 (11)	*
All directors and executive officers as a group (11 persons)	12,907,823 (12)	14.13

* Represents beneficial ownership of less than 1% of our outstanding common stock.

- (1) Based in part on a Schedule 13D/A filed by Mr. Conway with the SEC on January 8, 2016. Includes 50,000 shares jointly held with his spouse, 486,000 shares held solely by his spouse, 1,295,388 shares that Mr. Conway has the right to acquire through the exercise of warrants, 45,000 shares that Mr. Conway has the right to acquire through the exercise of options and 2,605,393 shares in the aggregate owned (or underlying warrants immediately exercisable) by the Alden M. Conway Trust, the Chase T. Conway Trust, the Merritt Elizabeth Conway Trust, the Edna N. Conway Irrevocable Trust FBO Alden M. Conway, the Edna N. Conway Irrevocable Trust FBO Chase T. Conway, the Edna N. Conway Irrevocable Trust FBO Merritt Elizabeth Conway and the Conway Family GST Trust. Mr. Conway is the trustee of each of the aforementioned trusts and has voting and investment power of each trust's shares, which are held in trust for the benefit of members of his family. Also includes 92,500 shares owned by the BCC Life Insurance Trust, which shares are held in trust for the benefit of Mr. Conway's children. A third party serves as trustee for such trust.
- (2) Includes 1,288,166 shares that Mr. Jenkins has the right to acquire through the exercise of options.
- (3) Includes 15,000 shares that Mr. Girin has the right to acquire through the exercise of options.

- (4) Includes 20,000 shares held jointly with his spouse, 85,000 shares that Mr. Koob has the right to acquire through the exercise of options, 154,035 shares owned by the Koob Family Trust and 107,825 shares the Koob Family Trust has the right to acquire through the exercise of warrants. Mr. Koob is trustee of the Koob Family Trust, and has voting and investment power over the securities held by the Koob Family Trust.
- (5) Includes 70,000 shares that Dr. Pizzo has the right to acquire through the exercise of options and 60,508 shares held by the Philip and Margaret Living Trust. Dr. Pizzo is trustee of the Philip and Margaret Living Trust, and has voting and investment power over the securities held by the Philip and Margaret Living Trust.
- (6) Includes 50,000 shares that Mr. Richards has the right to acquire through the exercise of options and 53,913 shares Mr. Richards has the right to acquire through the exercise of warrants.
- (7) Includes 500,000 shares owned by Payne Partners, LLC, 465,117 shares owned by the Withington Foundation, 2,058,207 shares owned by Rooke Fiduciary Management, 1,107,825 shares that Mr. Rooke has the right to acquire through the exercise of warrants, 85,000 shares that Mr. Rooke has the right to acquire through the exercise of options and 300,000 shares that the Robert L. and Alice W. Rooke Trust, for which Mr. Rooke serves as trustee, has the right to acquire through the exercise of warrants. Mr. Rooke has voting and investment power over the shares owned by Payne Partners, LLC, the Withington Foundation and Rooke Fiduciary Management. Also includes 1,577,832 shares owned by 12 trusts established for the benefit of Mr. Rooke and his family members. Mr. Rooke is the trustee of each of those trusts and he has voting and investment power over each trust's shares.
- (8) Includes 9,324 shares that Ms. Sainz has the right to acquire through the exercise of warrants, and 50,000 shares that Ms. Sainz has the right to acquire through the exercise of options.
- (9) Includes 98,529 shares jointly held with Mr. Spencer's spouse, 14,400 shares held in an IRA, 7,500 shares held in Mr. Spencer's daughter's IRA, 9,991 shares that Mr. Spencer and his spouse have the right to acquire through the exercise of warrants, and 155,000 shares that Mr. Spencer has the right to acquire through the exercise of options.
- (10) Includes 215,651 shares that Mr. Grillo has the right to acquire through the exercise of warrants and 800,000 shares that Mr. Grillo has the right to acquire through the exercise of options.
- (11) Includes 400,000 shares that Mr. Korn has the right to acquire through the exercise of options.
- (12) Includes 3,023,324 shares owned by entities controlled by a director, 1,792,375 shares owned by trusts, 4,309,870 shares issuable upon the exercise of options and warrants held by directors and executive officers, and 407,825 shares issuable upon the exercise of warrants held by a trust.

DESCRIPTION OF CAPITAL STOCK

The following description of our capital, certificate of incorporation, and bylaws are only summaries, and we encourage you to review complete copies of these documents. You can obtain copies of these documents by following the directions outlined in "Where You Can Find More Information" elsewhere in this prospectus.

Common Stock

Under our Amended and Restated Certificate of Incorporation, as amended, or our certificate of incorporation, we have 200,000,000 authorized shares of common stock, \$0.01 par value per share.

Voting Rights

Each holder of our common stock is entitled to one vote for each share on all matters submitted to a vote of the stockholders, including the election of directors. Under our certificate of incorporation and bylaws, our stockholders do not have cumulative voting rights. Because of this, the holders of a majority of the shares of common stock entitled to vote in any election of directors can elect all of the directors standing for election, if they should so choose.

Dividends

Subject to preferences that may be applicable to any then outstanding preferred stock, holders of common stock are entitled to receive ratably those dividends, if any, as may be declared from time to time by the Board of Directors out of legally available funds.

Liquidation

In the event of our liquidation, dissolution or winding up, holders of common stock will be entitled to share ratably in the net assets legally available for distribution to stockholders after the payment of all of our debts and other liabilities and the satisfaction of any liquidation preference granted to the holders of any outstanding shares of preferred stock.

Rights and Preferences

Holders of common stock have no preemptive, conversion or subscription rights, and there are no redemption or sinking fund provisions applicable to the common stock. The rights, preferences and privileges of the holders of common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock that we may designate in the future.

Fully Paid and Nonassessable

All of our outstanding shares of common stock are fully paid and nonassessable.

Preferred Stock

Under our certificate of incorporation, we have 25,000,000 authorized shares of preferred stock, \$0.01 par value per share. Our Board of Directors has the authority, without further action by the stockholders, to issue up to that number of shares of preferred stock in one or more series, to establish from time to time the number of shares to be included in each such series, to fix the rights, preferences and privileges of the shares of each wholly unissued series and any qualifications, limitations or restrictions thereon, and to increase or decrease the number of shares of any such series, but not below the number of shares of such series then outstanding. The Board of Directors may authorize the issuance of preferred stock with voting or conversion rights that could adversely affect the voting power or other rights of the holders of the common stock. The issuance of preferred stock, while providing flexibility in connection with possible acquisitions and other corporate purposes, could, among other things, have the effect of delaying, deferring or preventing a change in control of the company and may adversely affect the market price of our common stock and the voting and other rights of the holders of our common stock.

Delaware Anti-Takeover Law and Certain Provisions of our Certificate of Incorporation and Bylaws

Delaware Law

We are governed by Section 203 of the Delaware General Corporation Law. In general, Section 203 prohibits a public Delaware corporation from engaging in a “business combination” with an “interested stockholder” for a period of three years after the date of the transaction in which the person became an interested stockholder, unless the business combination is approved in a prescribed manner. A “business combination” includes mergers, asset sales or other transactions resulting in a financial benefit to the stockholder. An “interested stockholder” is a person who, together with affiliates and associates, owns, or within three years, did own, 15% or more of the corporation’s outstanding voting stock. These provisions may have the effect of delaying, deferring or preventing a change in our control.

Certificate of Incorporation and Bylaw Provisions

Our certificate of incorporation:

- permits our Board of Directors to issue shares of preferred stock, with any rights, preferences and privileges as they may designate, including the right to approve an acquisition or other change in our control;
- provides that the authorized number of directors may be changed only by resolution of the Board of Directors;

- provides that all vacancies, including newly created directorships, may, except as otherwise required by law, be filled by the affirmative vote of a majority of directors then in office, even if less than a quorum;
- requires that any action to be taken by our stockholders must be effected at a duly called annual or special meeting of stockholders and not be taken by written consent;
- provides that stockholders seeking to present proposals before a meeting of stockholders or to nominate candidates for election as directors at a meeting of stockholders must provide notice in writing in a timely manner, and also specify requirements as to the form and content of a stockholder's notice;
- does not provide for cumulative voting rights (therefore allowing the holders of a majority of the shares of common stock entitled to vote in any election of directors to elect all of the directors standing for election, if they should so choose);
- provides that special meetings of our stockholders may be called only by the chairman of the Board of Directors, our Chief Executive Officer or by the Board of Directors pursuant to a resolution adopted by a majority of the total number of authorized directors; and
- provides that stockholders will be permitted to amend our amended and restated bylaws only upon receiving at least 66 2/3% of the votes entitled to be cast by holders of all outstanding shares then entitled to vote generally in the election of directors, voting together as a single class.

These and other provisions contained in our certificate of incorporation and bylaws could delay or discourage some types of transactions involving an actual or potential change in our control or change in our management, including transactions in which stockholders might otherwise receive a premium for their shares over then current prices, and may limit the ability of stockholders to remove current management or approve transactions that stockholders may deem to be in their best interests and, therefore, could adversely affect the price of our common stock.

Transfer Agent and Registrar

Our transfer agent is currently Continental Stock Transfer & Trust Company. The transfer agent's address is 17 Battery Place, 8th Floor, New York, NY 10004.

SHARES ELIGIBLE FOR FUTURE SALE

As of December 31, 2015, we had 91,381,488 shares of common stock outstanding. Of this amount, the registration statement of which this prospectus is a part registers 16,309,270 shares of our common stock, 6,523,708 shares of common stock issuable upon the exercise of the Series A Warrants, 4,892,781 shares of common stock issuable upon the exercise of the Series B Warrants and 1,630,920 shares of common stock issuable upon the exercise of the Placement Agent Warrants. In addition to the shares of our common stock covered by the registration statement, as of December 31, 2015, 75,072,218 of our outstanding shares were freely transferable or could be publicly resold pursuant to Rule 144 under the Securities Act. The sale, or availability for sale, of substantial amounts of common stock could, in the future, adversely affect the market price of our common stock and could impair our ability to raise additional capital through the sale of our equity securities or debt financing.

In general, under Rule 144 as currently in effect, a person (or persons whose shares are aggregated) who has beneficially owned restricted securities for at least six months, including persons who may be deemed our affiliates, would be entitled to sell such securities, provided that sales under Rule 144 are subject to the availability of current public information about the company. A person who has not been our affiliate at any time during the three months preceding a sale, and who has beneficially owned his shares for at least one year, would be entitled under Rule 144 to sell such shares without regard to any limitations under Rule 144. Under Rule 144, sales by our affiliates are also subject to volume limitations, manner of sale provisions and notice requirements.

In addition, we have filed with the SEC two registration statements under the Securities Act covering the shares of common stock issuable under most of our stock option plans, as well as certain written compensatory contracts. Accordingly, shares registered under those registration statements are available for sale in the open market, subject to Rule 144 volume limitations applicable to affiliates and subject to the terms of the derivative restriction agreements entered into by our directors and executive officers.

VALIDITY OF THE COMMON STOCK

The validity of the shares of common stock offered hereby and certain other legal matters will be passed upon for us by Baker, Donelson, Bearman, Caldwell & Berkowitz, PC, Memphis, Tennessee.

EXPERTS

The financial statements of MRI Interventions, Inc. as of December 31, 2014 and 2013 and for each of the two years in the period ended December 31, 2014 appearing in this prospectus and registration statement, have been audited by Cherry Bekaert LLP, independent registered public accounting firm, as set forth in their report thereon appearing elsewhere herein, and are included in reliance upon such report, given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-1 under the Securities Act, with respect to the shares of common stock being offered by this prospectus. This prospectus does not contain all of the information in the registration statement and its exhibits. For further information with respect to MRI Interventions, Inc. and the common stock offered by this prospectus, we refer you to the registration statement and its exhibits. Statements contained in this prospectus as to the contents of any contract or any other document referred to are not necessarily complete, and in each instance, we refer you to the copy of the contract or other document filed as an exhibit to the registration statement. Each of these statements is qualified in all respects by this reference.

You can read our SEC filings, including the registration statement, over the Internet at the SEC's website at <http://www.sec.gov>. You may also read and copy any document we file with the SEC at its public reference facilities at 100 F Street NE, Washington, D.C. 20549. You may also obtain copies of these documents at prescribed rates by writing to the Public Reference Section of the SEC at 100 F Street NE, Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the public reference facilities.

We are subject to the information reporting requirements of the Securities Exchange Act, and we will file reports, proxy statements and other information with the SEC. These reports, proxy statements and other information will be available for inspection and copying at the public reference room and website of the SEC referred to above. We also maintain a website at <http://www.mriinterventions.com>, at which you may access these materials free of charge as soon as reasonably practicable after they are electronically filed with, or furnished to, the SEC. The information contained in, or that can be accessed through, our website is not part of this prospectus.

MRI INTERVENTIONS, INC,

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Report of Independent Registered Public Accounting Firm

To the Board of Directors and Stockholders of
MRI Interventions, Inc.

We have audited the accompanying consolidated balance sheets of MRI Interventions, Inc. and subsidiary (the "Company") as of December 31, 2014 and 2013, and the related consolidated statements of operations, stockholders' deficit and cash flows for the years then ended. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purposes of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the accompanying consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of MRI Interventions, Inc. and subsidiary as of December 31, 2014 and 2013 and the results of their operations and their cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

As discussed in Note 1 to the consolidated financial statements, the Company recognized net losses of approximately \$4.5 million, and \$7.1 million during 2014 and 2013, respectively. At December 31, 2014 the Company had incurred cumulative net losses of approximately \$77.3 million. Management's plans in regard to this matter are described in Note 1.

/s/ Cherry Bekaert LLP
Charlotte, North Carolina
March 17, 2015

MRI INTERVENTIONS, INC.

Consolidated Balance Sheets

	December 31,	
	2014	2013
ASSETS		
Current Assets:		
Cash and cash equivalents	\$ 9,244,006	\$ 3,516,244
Accounts receivable	468,949	770,352
Inventory, net	1,965,039	1,477,161
Prepaid expenses and other current assets	29,220	174,870
Total current assets	11,707,214	5,938,627
Property and equipment, net	482,970	903,160
Software license inventory	910,000	927,500
Other assets	285,498	103,783
Total assets	\$ 13,385,682	\$ 7,873,070
LIABILITIES AND STOCKHOLDERS' DEFICIT		
Current liabilities:		
Accounts payable	\$ 997,090	\$ 1,376,627
Accrued compensation	323,644	210,359
Other accrued liabilities	1,297,712	310,317
Derivative liabilities	2,198,162	3,747,858
Deferred product and service revenues	102,710	106,859
Related party convertible notes payable	-	4,338,601
Total current liabilities	4,919,318	10,090,621
Accrued interest	876,025	531,830
Senior note payable, net of unamortized discount of \$271,306 and \$437,261 at December 31, 2014 and December 31, 2013, respectively	4,018,139	3,852,183
2010 junior secured notes payable, net of unamortized discount of \$2,683,171 and \$2,767,595 at December 31, 2014 and December 31, 2013, respectively	316,829	232,405
2014 junior secured 12% notes payable, net of unamortized discount of \$369,299 at December 31, 2014	3,355,701	-
Total liabilities	13,486,012	14,707,039
Commitments and contingencies (Notes 5, 6, 7, 8, 9, 10, and 11)		
Stockholders' deficit:		
Common stock, \$0.01 par value; 100,000,000 shares authorized; 74,842,428 shares issued and outstanding at December 31, 2014; and 58,536,972 issued and outstanding, at December 31, 2013	748,424	585,369
Additional paid-in capital	76,428,580	65,333,264
Accumulated deficit	(77,277,334)	(72,752,602)
Total stockholders' deficit	(100,330)	(6,833,969)
Total liabilities and stockholders' deficit	\$ 13,385,682	\$ 7,873,070

See notes to consolidated financial statements.

MRI INTERVENTIONS, INC.

Consolidated Statements of Operations

	Years Ended December 31,	
	2014	2013
Revenues:		
Product revenues	\$ 3,378,765	\$ 2,914,774
Development service revenues	103,846	283,764
Other service revenues	121,871	82,037
Related party license revenues	-	650,000
Total revenues	3,604,482	3,930,575
Cost of product revenues	1,927,138	1,421,148
Research and development costs	3,297,112	2,922,912
Selling, general, and administrative expenses	8,039,455	7,061,286
Gain on sale of intellectual property	(4,338,601)	-
Operating loss	(5,320,622)	(7,474,771)
Other income (expense):		
Gain on change in fair value of derivative liabilities	1,549,696	1,686,478
Gain on forgiveness of amounts in accounts payable	77,837	477,263
Loss on note payable modification	-	(1,356,177)
Other income, net	175,547	56,228
Interest income	11,617	24,544
Interest expense	(1,018,807)	(499,839)
Net loss	\$ (4,524,732)	\$ (7,086,274)
Net loss per share attributable to common stockholders:		
Basic and diluted	\$ (0.08)	\$ (0.12)
Weighted average shares outstanding:		
Basic and diluted	59,240,848	57,261,713

See notes to consolidated financial statements.

MRI INTERVENTIONS, INC.

**Consolidated Statements of Stockholders' Deficit
Years Ended December 31, 2013 and 2014**

	<u>Common Stock</u>		<u>Additional Paid-in Capital</u>	<u>Treasury Stock</u>	<u>Accumulated Deficit</u>	<u>Total</u>
	<u>Shares</u>	<u>Amount</u>				
Balances, January 1, 2013	48,093,000	\$ 484,187	\$ 58,995,972	\$ (1,679,234)	\$ (65,666,328)	\$ (7,865,403)
January 2013 Private Placement	9,201,684	92,017	6,407,533	-	-	6,499,550
Share-based compensation	-	-	1,458,271	-	-	1,458,271
Warrant exercises	1,127,829	11,278	8,347	-	-	19,625
Issuance of common stock in payment of director fees	114,459	1,145	139,117	-	-	140,262
Retirement of treasury stock	-	(3,258)	(1,675,976)	1,679,234	-	-
Net loss for the year	-	-	-	-	(7,086,274)	(7,086,274)
Balances, December 31, 2013	58,536,972	585,369	65,333,264	-	(72,752,602)	(6,833,969)
Share-based compensation	-	-	880,765	-	-	880,765
Issuance of common stock in payment of accounts payable	189,752	1,898	260,170	-	-	262,068
Issuance of common stock in payment of director fees	140,396	1,403	147,988	-	-	149,391
Warrants issued in connection with March 2014 Debt Private Placement	-	-	443,267	-	-	443,267
Option exercises	162,500	1,625	141,375	-	-	143,000
December 2014 Private Placement	15,812,808	158,129	9,221,751	-	-	9,379,880
Net loss for the year	-	-	-	-	(4,524,732)	(4,524,732)
Balances, December 31, 2014	<u>74,842,428</u>	<u>\$ 748,424</u>	<u>\$ 76,428,580</u>	<u>\$ -</u>	<u>\$ (77,277,334)</u>	<u>\$ (100,330)</u>

See notes to consolidated financial statements.

MRI INTERVENTIONS, INC.

Consolidated Statements of Cash Flows

	Years Ended December 31,	
	2014	2013
Cash flows from operating activities:		
Net loss	\$ (4,524,732)	\$ (7,086,274)
Adjustments to reconcile net loss to net cash flows from operating activities:		
Depreciation and license amortization	377,261	426,183
Share-based compensation	880,765	1,458,271
Expenses paid through the issuance of common stock	411,459	140,262
Gain on change in fair value of derivative liabilities	(1,549,696)	(1,686,478)
Gain on negotiated reductions in account payable	(77,837)	(477,263)
Gain on sale of intellectual property	(4,338,601)	-
Loss on loan modification	-	1,356,177
Amortization of debt issuance costs and original issue discounts	330,987	143,418
Increase (decrease) in cash resulting from changes in:		
Accounts receivable	301,403	(324,920)
Inventory	(345,988)	(309,551)
Prepaid expenses and other current assets	145,650	(63,997)
Other assets	-	(2,550)
Accounts payable and accrued expenses	1,143,175	(695,343)
Deferred revenue	(4,149)	(655,866)
Net cash flows from operating activities	(7,250,303)	(7,777,931)
Cash flows from investing activities:		
Purchases of property and equipment	(48,129)	(74,469)
Acquisition of license	-	(100,000)
Net cash flows from investing activities	(48,129)	(174,469)
Cash flows from financing activities:		
Net proceeds from equity private placements	9,379,880	9,829,014
Net proceeds from debt private placement	3,503,314	-
Proceeds from stock option and warrant exercises	143,000	19,625
Net cash flows from financing activities	13,026,194	9,848,639
Net change in cash and cash equivalents	5,727,762	1,896,239
Cash and cash equivalents, beginning of year	3,516,244	1,620,005
Cash and cash equivalents, end of year	\$ 9,244,006	\$ 3,516,244

SUPPLEMENTAL CASH FLOW INFORMATION

Cash paid for:

Income taxes	\$ -	\$ -
Interest	\$ 223,500	\$ 11,168

See notes to consolidated financial statements.

MRI INTERVENTIONS, INC.

Consolidated Statements of Cash Flows

NON-CASH INVESTING AND FINANCING TRANSACTIONS:

- During the years ended December 31, 2014 and 2013, a net amount of ClearPoint system reusable components with costs of \$221,021 and \$143,372, respectively, and accumulated depreciation of \$96,631 and \$115,952, respectively, were transferred from loaned systems to inventory at the net carrying cost.
- In March 2014, the Company entered into an asset purchase agreement to sell certain intellectual property. The asset purchase price was satisfied through the cancellation of related party convertible notes payable in the aggregate amount of \$4,338,601.
- In recording the March 2014 debt private placement transaction, the Company recorded the fair value of the warrants issued to the placement agent, in the amount of \$30,210, as a deferred financing cost, and the Company recorded a corresponding amount to additional paid-in capital. In addition, warrants with a relative fair value of \$413,057 were issued to investors in the debt private placement transaction (see Note 6). The relative fair value of these warrants was recorded as additional paid-in capital which resulted in a corresponding debt discount.
- In March 2013, in connection with a loan modification, accrued interest in the amount of \$389,444 was rolled into the principal balance of a note payable and the principal balance of the note was increased by an additional \$1,900,000.
- In recording the January 2013 equity private placement transaction, deferred financing costs of \$24,219 were netted against the proceeds recorded to additional paid-in capital.

See notes to consolidated financial statements.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

1. Description of the Business and Liquidity

MRI Interventions, Inc. (the “Company”) is a medical device company focused on the development and commercialization of technology that enables physicians to see inside the brain and heart using direct, intra-procedural magnetic resonance imaging (“MRI”) guidance while performing minimally invasive surgical procedures. The Company was incorporated in the state of Delaware in March 1998. The Company’s principal executive office and principal operations are located in Irvine, California. The Company established MRI Interventions (Canada) Inc., a wholly-owned subsidiary incorporated in Canada, in August 2013. This subsidiary was established primarily for the purpose of performing software development, and its activities are reflected in these consolidated financial statements.

The Company’s ClearPoint system, an integrated system comprised of reusable and disposable products, is designed to allow minimally invasive procedures in the brain to be performed in an MRI suite. The Company received 510(k) clearance from the U.S. Food and Drug Administration (“FDA”) in 2010 to market the ClearPoint system in the United States for general neurological interventional procedures. The Company’s ClearTrace system is a product candidate under development that is designed to allow catheter-based minimally invasive procedures in the heart to be performed in an MRI suite.

Liquidity and Management’s Plans

For the years ended December 31, 2014 and 2013, the Company incurred net losses of \$4,524,732 and \$7,086,274, respectively, and the cumulative net loss since the Company’s inception through December 31, 2014 was \$77,277,334. The Company believes such losses may continue through at least the year ending December 31, 2015, as the Company continues to commercialize its ClearPoint system and pursue research and development activities. Net cash used in operations was \$7,250,303 and \$7,777,931 for the years ending December 31, 2014 and 2013, respectively. Since inception, the Company has financed its activities principally from the sale of equity securities, the issuance of notes payable and license arrangements.

The Company’s primary financing activities during the years ended December 31, 2014 and 2013 were:

- a December 2014 equity private placement (see Note 7), which resulted in net proceeds of \$9,379,880;
- a March 2014 private offering (see Note 6), which resulted in net proceeds of \$3,503,314; and
- a January 2013 equity private placement (see Note 7), which resulted in net proceeds of \$9,829,014.

While the Company expects to continue to use cash in operations, the Company believes its existing cash and cash equivalents at December 31, 2014 of \$9,244,006, combined with cash expected to be generated from product sales, will be sufficient to meet its anticipated cash requirements through at least March 31, 2016.

During 2015, the Company expects to increase revenues from sales of ClearPoint system products as a result of greater utilization at existing installed sites and an increase in the number of installed sites. Certain planned expenditures are discretionary and could be deferred if the Company is required to do so to fund critical operations.

To the extent the Company’s available cash and cash equivalents are insufficient to satisfy its long-term operating requirements, the Company will need to seek additional sources of funds from the sale of equity or debt securities or through a credit facility, or the Company will need to modify its current business plan. There can be no assurances that the Company will be able to obtain additional financing on commercially reasonable terms, if at all. The sale of additional equity or convertible debt securities would likely result in dilution to the Company’s current stockholders.

2. Summary of Significant Accounting Policies

Basis of Presentation and Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States (“GAAP”) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the consolidated financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

Cash and Cash Equivalents

Cash and cash equivalents include all highly liquid investments with an original maturity of three months or less.

Derivative Liability for Warrants to Purchase Common Stock

Derivative liabilities for warrants represents the fair value of warrants issued in connection with certain private placements of shares of the Company's common stock (see Note 7). The fair values of these warrants are presented as liabilities based on certain net cash settlement and exercise price reset, or "down round," provisions. These derivative liabilities, which are recorded on the accompanying consolidated balance sheets, are calculated utilizing the Monte Carlo simulation valuation method. Changes in the fair values of these warrants are recognized as other income or expense in the related statement of operations.

Other Derivative Financial Instruments

The Company adjusts its derivative financial instruments to fair value at each balance sheet date (see Note 6). Changes in the fair values of derivatives are recorded each reporting period as gains or losses in the statements of operations unless the derivatives qualify for hedge accounting. At December 31, 2014 and 2013, the Company did not have any derivative instruments that were designated as hedges.

Fair Value Measurements

The Company measures and records certain financial assets and liabilities at fair value on a recurring basis. GAAP provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority, referred to as Level 1, to quoted prices in active markets for identical assets and liabilities. The next priority, referred to as Level 2, is given to quoted prices for similar assets or liabilities in active markets or quoted prices for identical or similar assets or liabilities in markets that are not active; that is, markets in which there are few transactions for the asset or liability. The lowest priority, referred to as Level 3, is given to unobservable inputs. The table below reflects the level of the inputs used in the Company's fair value calculation for instruments carried at fair value at (see Note 7):

	<u>Quoted Prices in Active Markets (Level 1)</u>	<u>Significant Observable Inputs (Level 2)</u>	<u>Significant Unobservable Inputs (Level 3)</u>	<u>Total Fair Value</u>
<u>December 31, 2014</u>				
Derivative liabilities - warrants	\$ -	\$ -	\$ 2,198,162	\$ 2,198,162
<u>December 31, 2013</u>				
Derivative liabilities - warrants	\$ -	\$ -	\$ 3,747,858	\$ 3,747,858

Carrying amounts of the Company's cash and cash equivalents, accounts receivable, accounts payable and accrued liabilities approximate their fair values due to their short maturities.

The table below reflects the carrying values and the estimated fair values, based on Level 3 inputs, of the Company's outstanding notes payable including the related accrued interest at December 31, 2014:

	<u>Carrying Values</u>	<u>Estimated Fair Value</u>
Senior secured note payable, including accrued interest	\$ 4,456,665	\$ 4,456,665
2014 junior secured notes payable, including accrued interest	3,475,826	3,845,125
2010 junior secured notes payable, including accrued interest	754,328	2,305,171

Inventory

Inventory is carried at the lower of cost (first-in, first-out (FIFO) method) or net realizable value. All items included in inventory relate to the Company's ClearPoint system. Software license inventory that is not expected to be utilized within the next twelve months is classified as a non-current asset. The Company periodically reviews its inventory for obsolete items and provides a reserve upon identification of potential obsolete items.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

Property and Equipment

Property and equipment, including certain long-term loaned ClearPoint systems, are recorded at cost and are depreciated on a straight-line basis over their estimated useful lives, principally five to seven years. Leasehold improvements are depreciated on a straight-line basis over the lesser of their estimated useful lives or the term of the related lease.

Impairment of Long-Lived Assets

The Company evaluates the recoverability of its long-lived assets (finite-lived intangible assets and property and equipment). Whenever events or changes in circumstances indicate that the carrying amount of such assets may not be fully recoverable, the expected undiscounted future cash flows are compared to the net book value of the related assets. If the net book value of the related assets exceeds the undiscounted expected future cash flows of the assets, the carrying amount would be reduced to the present value of the expected future cash flows and an impairment loss would be recognized. The Company has not recorded any impairment losses for the years ended December 31, 2014 or 2013.

Revenue Recognition

The Company's revenues are comprised of: (1) product revenues resulting from the sale of ClearPoint system reusable products, disposable products and ClearTrace system components; (2) license and development arrangements; (3) development service revenues; and (4) other service revenues. The Company recognizes revenue when persuasive evidence of an arrangement exists, the selling price or fee is fixed or determinable, collection is reasonably assured and, for product revenues, risk of loss has transferred to the customer. For all sales, the Company requires either a purchase agreement or a purchase order as evidence of an arrangement. The Company analyzes revenue recognition on an agreement by agreement basis. The Company determines whether the deliverables under the arrangement represent separate units of accounting as defined by GAAP. Application of GAAP regarding multiple-element arrangements requires management to make subjective judgments about the values of the individual elements and whether delivered elements are separable from the other aspects of the contractual relationship.

(1) Product Revenues

Sales of ClearPoint system reusable products: Generally, revenues related to the sale of ClearPoint system reusable products are recognized upon installation of the system and the completion of training of at least one of the customer's physicians, which typically occurs concurrently with the installation. Reusable products include software which is integral to the utility of the system as a whole. Sales of reusable products that have stand-alone value to the customer are recognized when risk of loss passes to the customer. Sales of ClearPoint reusable products to a distributor that has been trained to perform system installations and to conduct ClearPoint physician training are recognized at the time risk of loss passes to the distributor.

Sales of disposable products: Revenues from the sale of disposable products, including ClearPoint system disposable products, are recognized at the time risk of loss passes to the customer, which is generally at shipping point or upon delivery to the customer's location, depending on the agreed upon terms with the customer.

Sales of ClearTrace components: Sales of ClearTrace system components to research sites for non-commercial use are recognized at the time risk of loss passes to the customer, which is generally at shipping point or upon delivery to the customer's location, depending on the agreed upon terms with the customer. The Company does not have regulatory clearance or approval to sell ClearTrace system components for commercial use.

(2) License and Development Arrangements —The Company defers recognition of non-refundable upfront license fees if there are continuing performance obligations without which the technology, know-how, rights, products or services conveyed in conjunction with the non-refundable fees have no utility to the licensee that could be considered separate and independent of the Company's performance under other elements of the arrangement.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

- (3) *Development Service Revenues* — The Company entered into an agreement to provide development services to a third party. Under the agreement, the Company earned revenue equal to costs incurred for outside expenses related to the development services provided, plus actual direct internal labor costs (including the cost of employee benefits), plus an overhead markup of the direct internal labor costs incurred. Revenue was recognized in the period in which the Company incurred the related costs.
- (4) *Other Service Revenues* — Other service revenues are comprised of installation fees, training fees, shipping fees and service fees charged in connection with ClearPoint system installations and ClearPoint service agreements. Typically, the Company will bill upfront for service agreements, which have terms ranging from one to three years. These amounts are recognized as revenues ratably over the term of the related service agreement.

Product Warranties

The Company's standard policy is to warrant ClearPoint system reusable products against defects in material or workmanship for one year following installation. The Company's estimate of costs to service the warranty obligations is based on historical experience and continues to be an immaterial amount. A periodic review of warranty obligations is performed to determine the adequacy of the reserve and adjustments, recorded to cost of product revenues, are made to the estimated warranty liability (included in other accrued liabilities) as appropriate.

Research and Development Costs

Costs related to research, design and development of products are charged to research and development expense as incurred. These costs include direct salary and employee benefit-related costs for research and development personnel, costs for materials used in research and development activities, sponsored research and costs for outside services. Since most of the expenses associated with the Company's development service revenues relate to existing internal resources, these amounts are included in research and development costs.

Income Taxes

Deferred income tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the consolidated financial statement carrying amounts of existing assets and liabilities and their respective income tax basis. Such assets and liabilities are measured using enacted tax rates expected to apply to taxable income or loss in the years in which those temporary differences are expected to be recovered or settled. The effect of a change in tax rates is recognized in the period that includes the enactment date. The Company provides a valuation allowance against net deferred income tax assets unless, based upon available evidence, it is more likely than not the deferred income tax assets will be realized. The Company recognizes interest and penalties related to unrecognized tax benefits as a component of income tax expense. As of December 31, 2014 and 2013, the Company had no accrued interest or penalties related to uncertain tax positions.

Net Loss Per Share

Basic loss per share is calculated by dividing the net loss attributable to common stockholders by the weighted average number of common shares outstanding for the period, without giving consideration to common stock equivalents. Diluted loss per share is computed by dividing the net loss attributable to common stockholders by the weighted average number of common shares outstanding for the period. The calculation of diluted net loss per share does not include the weighted average number of common stock equivalents outstanding for the period because to do so would be anti-dilutive. Accordingly, for all periods presented, diluted net loss per share is the same as basic net loss per share. The following table sets forth potential shares of common stock that are not included in the calculation of diluted net loss per share because of the anti-dilutive result:

	As of December 31,	
	2014	2013
Stock options	10,343,309	7,430,225
Warrants	20,759,136	12,136,865
Shares under convertible note agreements	-	542,325
	31,102,445	20,109,415

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

Share-Based Compensation

The Company accounts for compensation for all arrangements under which employees and others receive shares of stock or other equity instruments (including options and warrants) based on fair value. The fair value of each award is estimated as of the grant date and amortized as compensation expense over the requisite vesting period. The fair values of the Company's share-based awards are estimated on the grant dates using the Black-Scholes valuation model. This valuation model requires the input of highly subjective assumptions, including the expected stock volatility, estimated award terms and risk-free interest rates for the expected terms. To estimate the expected terms, the Company utilizes the "simplified" method for "plain vanilla" options discussed in the Staff Accounting Bulletin 107 ("SAB 107") issued by the Securities and Exchange Commission (the "SEC"). The Company believes that all factors listed within SAB 107 as pre-requisites for utilizing the simplified method apply to the Company and the Company's share-based compensation arrangements. The Company intends to utilize the simplified method for the foreseeable future until more detailed information about exercise behavior becomes available. The Company based its estimate of expected volatility on the average of historical volatilities of publicly traded companies it deemed similar to the Company because the Company lacks its own relevant historical volatility data. The Company will consistently apply this methodology until it has sufficient historical information regarding the volatility of the Company's own share prices to use as the input for all of its fair value calculations for share-based compensation. The Company utilizes risk-free interest rates based on zero-coupon U.S. treasury instruments, the terms of which are consistent with the expected terms of the equity awards. The Company has not paid and does not anticipate paying cash dividends on its shares of common stock; therefore, the expected dividend yield is assumed to be zero.

Fair Value Determination of Share-Based Transactions

Since May 21, 2012, the Company's common stock has been traded in the over-the-counter market and has been quoted on the OTCQB marketplace and the OTC Bulletin Board under the symbol MRIC. Since the Company's common stock has been publicly traded, the closing stock price has been used as a key input in determining the fair value for share-based transactions. Prior to the time the Company's stock became publicly traded, the fair value of the Company's common stock, as well as the common stock underlying options and warrants, granted as compensation, or issued in connection with the settlement of liabilities ("share-based transactions"), were estimated by management, with input from a third-party valuation specialist from time to time.

Determining the fair value of shares of privately held companies requires making complex and subjective judgments. Prior to the time the Company's common stock was publicly traded, the Company used the income approach, the market approach, and the probability weighted expected return method to estimate the enterprise values for the dates on which these transactions occurred. The assumptions used in each of the different valuation methods take into account certain discounts such as selecting the appropriate discount rate and control and lack of marketability discounts. The discount rates used in these valuations ranged from 22% to 35%. The discounts for lack of marketability ranged from 15% to 35% and the discounts for lack of control ranged from 20% to 30%. If different discount rates or lack of marketability and control discounts had been used, the valuations would have been different. The enterprise value under each valuation method was allocated to preferred and common shares taking into account the enterprise value available to all stockholders and allocating that value among the various classes of stock based on the rights, privileges, and preferences of the respective classes in order to provide an estimate of the fair value of a share of the Company's common stock. There is inherent uncertainty in these estimates.

Concentration Risks and Other Risks and Uncertainties

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist primarily of cash and cash equivalents and accounts receivable. The Company holds its cash and cash equivalents on deposit with financial institutions in the United States insured by the Federal Deposit Insurance Corporation. At December 31, 2014, the Company had bank balances in excess of the insured limits of approximately \$514,000, most of which was held on deposit to satisfy outstanding checks.

Accounts receivable at December 31, 2014 and 2013, and all product revenues recognized for the years ended December 31, 2014 and 2013, relate to sales and services to customers located in the United States ("U.S.") and to one distributor. At December 31, 2014, two customers in the U.S. represented 20% and 17% of the Company's accounts receivable balance. At December 31, 2013, three customers in the U.S. represented 28%, 18% and 15% of the Company's accounts receivable balance. No other customer represented more than 8.5% of total accounts receivable at December 31, 2014 or 2013. For the year ended December 31, 2014, sales to one customer represented 10.4% of product revenues. For the year ended December 31, 2013, sales to one customer represented 20% of product revenues. No other single customer represented greater than 9% of product revenues for the years ended December 31, 2014 or 2013. The Company performs credit evaluations of its customers' financial condition and, generally, requires no collateral from its customers. The Company will provide an allowance for doubtful accounts when collections become doubtful, but the Company has not experienced any credit losses or recorded any allowances to date.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

The Company is subject to risks common to emerging companies in the medical device industry, including, but not limited to: new technological innovations; dependence on key personnel; dependence on key suppliers; changes in general economic conditions and interest rates; protection of proprietary technology; compliance with changing government regulations; uncertainty of widespread market acceptance of products; access to credit for capital purchases by customers; and product liability claims. Certain components used in manufacturing have relatively few alternative sources of supply, and establishing additional or replacement suppliers for such components cannot be accomplished quickly. The inability of any of these suppliers to fulfill the Company's supply requirements may negatively impact future operating results.

Recent Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2014-09, "Revenue from Contracts with Customers," which creates a new Topic, Accounting Standards Codification ("ASC") Topic 606. The standard is principle-based and provides a five-step model to determine when and how revenue is recognized. The core principle is that an entity should recognize revenue when it transfers promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. This standard is effective for the Company beginning in 2017 and allows for either full retrospective adoption or modified retrospective adoption. The Company is currently evaluating the impact of the adoption of ASC Topic 606 on its consolidated financial statements.

In August 2014, the FASB issued ASU 2014-15, "Disclosure of Uncertainties About an Entity's Ability to Continue as a Going Concern," which provides guidance on determining when and how to disclose going-concern uncertainties in financial statements. The new standard requires management to perform interim and annual assessments of an entity's ability to continue as a going concern within one year of the date the financial statements are issued. An entity must provide certain disclosures if "conditions or events raise substantial doubt about the entity's ability to continue as a going concern." The ASU applies to all entities and is effective for annual periods ending after December 15, 2016, and interim periods thereafter, with early adoption permitted. The adoption of this guidance is not expected to have any impact on the Company's consolidated results of operations or financial position. The Company is currently evaluating the impact of this update on future disclosures concerning its liquidity position.

3. Inventory

Inventory consists of the following as of December 31:

	2014	2013
Work in process	\$ 899,014	\$ 673,860
Software license inventory	350,000	385,000
Finished goods	716,025	418,301
Inventory included in current assets	1,965,039	1,477,161
Software license inventory	910,000	927,500
	<u>\$ 2,875,039</u>	<u>\$ 2,404,661</u>

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

4. Property and Equipment

Property and equipment consist of the following as of December 31:

	2014	2013
Equipment	\$ 1,112,377	\$ 1,081,056
Furniture and fixtures	108,983	106,054
Leasehold improvements	157,236	157,236
Computer equipment and software	148,164	134,285
Loaned systems	699,384	920,406
	<u>2,226,144</u>	<u>2,399,037</u>
Less accumulated depreciation and amortization	(1,743,174)	(1,495,877)
Total property and equipment, net	<u>\$ 482,970</u>	<u>\$ 903,160</u>

Depreciation and amortization expense related to property and equipment for the years ended December 31, 2014 and 2013 was \$343,929 and \$400,516, respectively. The Company may loan the reusable components of a ClearPoint system to a customer. Any such customer can then use the loaned ClearPoint system to perform procedures using ClearPoint disposable products which are generally purchased from the Company.

5. Sale of Intellectual Property in Exchange for Cancellation of the Boston Scientific Notes

In March 2014, the Company entered into an Asset Purchase Agreement (the “BSC Purchase Agreement”) with Boston Scientific. Pursuant to the BSC Purchase Agreement, Boston Scientific purchased from the Company certain MRI-safety technology for implantable medical leads (the “Transferred Intellectual Property”) for an aggregate purchase price of \$4,338,601. The Transferred Intellectual Property includes some, but not all, of the intellectual property the Company previously licensed exclusively to Boston Scientific within the fields of neuromodulation and implantable medical leads for cardiac applications. The purchase price was satisfied through the cancellation of three convertible notes payable issued by the Company to Boston Scientific, which were scheduled to mature in 2014, in the aggregate principal amount of \$4,338,601 (the “Boston Scientific Notes”). Accordingly, all obligations of the Company under the Boston Scientific Notes were discharged and the liens that secured the Company’s obligations under the Boston Scientific Notes were terminated and released. The Company recorded a gain in its consolidated statement of operations equal to the aggregate purchase price for the assets sold under the BSC Purchase Agreement.

In connection with the BSC Purchase Agreement, the parties entered into a license agreement pursuant to which Boston Scientific granted the Company an exclusive, royalty-free, fully paid up, irrevocable, worldwide license to the Transferred Intellectual Property, with the right to sublicense, within fields of use other than neuromodulation and implantable medical leads for cardiac applications.

In addition, Boston Scientific and the Company entered into amendments to their pre-existing development and license agreements (the “Pre-existing Agreements”), in the fields of neuromodulation and implantable medical leads for cardiac applications, to eliminate the milestone-based payments and royalties provided under those agreements. As such, the Company is no longer entitled to receive any potential future milestone-based payments or royalties under its development and license agreements with Boston Scientific.

Pursuant to one of the Pre-existing Agreements, the Company received a non-refundable licensing fee of \$13,000,000 from Boston Scientific in 2008. The Company recorded the \$13,000,000 payment as deferred revenue and recognized the revenue on a straight-line basis over the five year period estimated by the Company for its continuing involvement in the development effort (see Note 2, Revenue Recognition), which period ended on March 31, 2013. The Company reevaluated its estimated remaining period of continuing involvement at each reporting period until all of the revenue that had been deferred was recognized.

The transactions contemplated by the BSC Purchase Agreement do not impact the Company’s ability to continue to commercialize its ClearPoint system or to continue the development of its ClearTrace system.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

6. Notes Payable

Senior Note Payable

The Company had a \$2,000,000 secured convertible note (“April 2011 Note”) payable to Brainlab AG (“Brainlab”). Upon issuance, the April 2011 Note was scheduled to mature in April 2016, unless earlier converted, and it accrued interest at the rate of 10% per year. The April 2011 Note was amended in February 2012 to, among other things, provide Brainlab the option to convert the April 2011 Note into shares of the Company’s common stock at a conversion price of \$0.60 per share at any time on or before February 23, 2013.

On February 21, 2013, Brainlab delivered notice to the Company of its election to convert the April 2011 Note into shares of the Company’s common stock at the conversion price of \$0.60 per share. However, prior to the issuance of those conversion shares, on March 6, 2013, the Company and Brainlab entered into a loan modification. As a result of that loan modification, Brainlab revoked its election to convert the April 2011 Note into shares of common stock. Under the loan modification, the Company issued an amended and restated secured note to Brainlab (the “Amended Brainlab Note”), which amended the April 2011 Note: (i) to remove the equity conversion feature, such that the Amended Brainlab Note is not convertible into any shares of the Company’s capital stock; (ii) to reduce the interest rate, beginning March 6, 2013, from 10% per year to 5.5% per year; (iii) to ease certain restrictive loan covenants; and (iv) to reflect a new note principal balance of \$4,289,444, which represents the sum of (A) the original principal balance of the April 2011 Note in the amount of \$2,000,000, plus (B) interest accrued under the April 2011 Note through March 6, 2013 in the amount of \$389,444, plus (C) \$1,900,000. The Amended Brainlab Note completely replaced and superseded the April 2011 Note. The Amended Brainlab Note matures in April 2016, and principal and accrued interest under the Amended Brainlab Note is payable in a single installment upon maturity. The Amended Brainlab Note is secured by a senior security interest in the assets of the Company.

The Company calculated the fair value of the Amended Brainlab Note, as of the loan modification date, based on the amended terms. On the date of the loan modification, the fair value of the Amended Brainlab Note, with its principal balance of \$4,289,444, was \$3,745,621. The difference between the fair value of the Amended Brainlab Note on the date of the loan modification and the carrying value of the April 2011 Note and related accrued interest immediately prior to the loan modification, resulted in a charge to other expense of \$1,356,177 in the consolidated statement of operations during the year ended December 31, 2013. The \$543,823 difference between the principal amount of the Amended Brainlab Note and the fair value of the Amended Brainlab Note on the date of the loan modification was recorded as a debt discount and is being amortized to interest expense using the effective interest method over the term of the Amended Brainlab Note.

2010 Junior Secured Notes Payable

In November 2010, the Company issued an aggregate of 10,714,286 units and received proceeds of \$3,000,000. The units were sold to existing stockholders and other existing security holders of the Company. Each unit consisted of a junior secured note and one share of the Company’s common stock. The Company issued 10,714,286 shares of common stock and junior secured notes in the aggregate principal amount of \$3,000,000. The notes mature in November 2020 and accrue interest at the rate of 3.5% per year. The notes are secured by a security interest in the assets of the Company, which security interest is junior and subordinate to the security interests that secure the Amended Brainlab Note and the 2014 Secured Notes. All outstanding principal and interest on the junior secured notes will be due and payable in a single payment upon maturity.

Under GAAP, the Company allocated the \$3,000,000 in proceeds from the sale of the units between the junior secured notes and the shares of common stock based on their relative fair values, with \$2,775,300 being recorded as equity. The junior secured notes were recorded at the principal amount of \$3,000,000 less a discount of \$2,775,300. This discount is being amortized to interest expense over the 10-year term of the notes using the effective interest method. The fair value of the notes was estimated based on an assumed market interest rate for notes of similar terms and risk. The fair value of the Company’s common stock was estimated by management using a market approach, with input from a third-party valuation specialist.

Four officers of the Company purchased an aggregate of 882,726 units in the offering for \$247,164. In addition, three non-employee directors of the Company also purchased an aggregate of 567,203 units in the offering for \$158,816.

MRI INTERVENTIONS, INC.
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2014 Junior Secured 12% Notes Payable

In March 2014, the Company entered into securities purchase agreements for the private placement of (i) 12% second-priority secured non-convertible promissory notes maturing in 2019 (the “2014 Secured Notes”) and (ii) warrants to purchase 0.3 share of the Company’s common stock for each dollar in principal amount of the 2014 Secured Notes sold by the Company. Pursuant to those securities purchase agreements, the Company sold 2014 Secured Notes in a total aggregate principal amount of \$3,725,000, together with warrants to purchase up to 1,117,500 shares of common stock, for aggregate gross proceeds of \$3,725,000, before placement agent commissions and other expenses.

The 2014 Secured Notes have a five-year term, and they bear interest at a rate of 12% per year, payable semi-annually, in arrears, on each six-month and one-year anniversary of the issuance date. The 2014 Secured Notes are not convertible into shares of the Company’s common stock. Following the third anniversary of the issuance date, the 2014 Secured Notes may be prepaid, without penalty or premium, provided that all principal and unpaid accrued interest under all 2014 Secured Notes is prepaid at the same time. Prior to the third anniversary of the issuance date, the Company may prepay all, but not less than all, of the principal and unpaid accrued interest under the 2014 Secured Notes at any time, subject to the Company’s payment of the additional prepayment premium stated in the notes. The 2014 Secured Notes are secured by a security interest in the Company’s property and assets, which security interest is junior and subordinate to the security interest that secures the senior secured note payable previously issued by the Company to Brainlab AG, which is discussed below.

The warrants issued to the investors are exercisable, in full or in part, at any time prior to the fifth anniversary of the issuance date, at an exercise price of \$1.75 per share, subject to adjustment from time to time for stock splits or combinations, stock dividends, stock distributions, recapitalizations and other similar transactions. Assumptions used in calculating the fair value of the warrants using the Black-Scholes valuation model were:

Dividend yield	0%
Expected Volatility	47.5% - 47.7%
Risk free Interest rates	1.73% - 1.76%
Expected life (in years)	5.0

Under GAAP, the Company allocated the \$3,725,000 in proceeds proportionately between the 2014 Secured Notes and the warrants issued to investors based on their relative fair values, with \$413,057 being recorded as equity. The 2014 Secured Notes were recorded at the principal amount less a discount equal to the \$413,057 amount recorded as equity. This discount is being amortized to interest expense over the five year term of the notes using the effective interest method.

Non-employee directors of the Company invested a total of \$1,100,000, either directly or through a trust. The Company’s placement agents earned cash commissions of \$145,500 as well as warrants to purchase 72,750 shares of the Company’s common stock. The placement agent warrants have the same terms and conditions as the investor warrants. The placement agent cash commissions, the \$30,210 fair value of the placement agent warrants, and other offering expenses totaling \$76,186 were recorded as deferred financing costs and are classified as other assets. These deferred financing costs are being amortized to interest expense over the term of the 2014 Secured Notes using the effective interest method.

Scheduled Notes Payable Maturities

Scheduled principal payments with respect to notes payable is summarized as follows:

<u>Years ending December 31,</u>	
2015	\$ -
2016	4,289,445
2017	-
2018	-
2019	3,725,000
Thereafter	3,000,000
Total scheduled principal payments	11,014,445
Less unamortized discounts at December 31, 2014	(3,323,776)
	<u>\$ 7,690,669</u>

MRI INTERVENTIONS, INC.
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7. Stockholders' Equity

December 2014 Private Placement

In December 2014, the Company entered into a securities purchase agreement for the private placement of shares of the Company's common stock and warrants to purchase shares of the Company's common stock, at a purchase price of \$0.6435 per unit (the "December 2014 Financing Transaction"). Each unit consisted of one share of common stock and a warrant to purchase 0.4 share of common stock.

In the December 2014 Financing Transaction, the Company sold to the investors (the "Investors") 15,812,808 shares of common stock, together with warrants to purchase 6,325,125 shares of common stock (the "Investor Warrants"), for aggregate gross proceeds of \$10,175,550, before commissions and offering expenses. One non-employee director of the Company invested \$15,000 in the December 2014 Financing Transaction. The Company's placement agents earned cash commissions of \$709,839, and the Company incurred other transaction costs of \$85,831 related to the financing. In addition to the cash commission, the Company also issued warrants to the placement agents to purchase 1,106,896 shares of common stock (the "Placement Agent Warrants").

The Investor Warrants and the Placement Agent Warrants are exercisable for five years from the date of issuance and have an exercise price of \$0.858 per share, subject to adjustment from time to time for stock splits or combinations, stock dividends, stock distributions, recapitalizations and other similar transactions. The Investor Warrants contain a provision permitting the Company to redeem the warrants, to the extent then outstanding as of the redemption date, in the event the closing sale price of the Company's common stock equals or exceeds twice the exercise price of the Investor Warrants for 20 consecutive trading days. Neither the Investor Warrants nor the Placement Agent Warrants contain any down round exercise price reset provision. Both the Investor Warrants and the Placement Agent Warrants are deemed to be indexed to the Company's stock, and as such, the Company recorded the \$9,379,880 of net proceeds from the December 2014 Financing Transaction as equity.

At the closing of the December 2014 Financing Transaction, the Company also entered into a registration rights agreement (the "Registration Rights Agreement") with the Investors. Pursuant to the Registration Rights Agreement, the Company was required to prepare and file a registration statement (the "Registration Statement") with the SEC under the Securities Act covering the resale of the shares of common stock issued to the Investors under the securities purchase agreement and the shares of common stock underlying the Investor Warrants and the Placement Agent Warrants. The Company filed the Registration Statement on January 13, 2015 and the Registration Statement was declared effective on January 26, 2015. If the Company fails to continuously maintain the effectiveness of the Registration Statement (with certain permitted exceptions), the Company will incur certain liquidated damages to the Investors. The Registration Rights Agreement also contains mutual indemnifications by the Company and each Investor, which the Company believes are customary for transactions of this type.

In connection with the December 2014 Financing Transaction, the Company entered into derivative restriction agreements with each of its directors and executive officers. Under the derivative restriction agreements, each director and executive officer is prohibited from exercising his or her outstanding options and warrants for shares of common stock until the Company's certificate of incorporation has been amended to provide a number of authorized shares sufficient to permit the Company to reserve shares of common stock for exercise of such options and warrants. Derivative restriction agreements were entered into with respect to 9,141,250 shares underlying outstanding options and warrants held by the Company's directors and executive officers. The purpose of the derivative restriction agreements was to ensure a sufficient number of authorized, unissued and unreserved shares of common stock to enable the Company to consummate the December 2014 Financing Transaction.

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Notes to Consolidated Financial Statements

January 2013 Private Placement

In January 2013, the Company entered into a securities purchase agreement for the private placement of shares of the Company's common stock and warrants to purchase shares of the Company's common stock, at a purchase price of \$1.20 per unit (the "January 2013 Financing Transaction"). Each unit consisted of one share of common stock and a warrant to purchase 0.5 share of common stock.

In the January 2013 Financing Transaction, the Company sold to the investors 9,201,684 shares of common stock, together with warrants to purchase 4,600,842 shares of common stock, for aggregate gross proceeds of \$11,042,021, before commissions and offering expenses. The Company's placement agents earned commissions of \$1,104,202, and the Company incurred other transaction costs of \$133,024 related to the financing. Non-employee directors of the Company invested a total of \$402,000 in the January 2013 Financing Transaction.

The warrants issued in the January 2013 Financing Transaction are exercisable for five years from the date of issuance and had an initial exercise price of \$1.75 per share, subject to adjustment from time to time for stock splits or combinations, stock dividends, stock distributions, recapitalizations and other similar transactions. The warrants contain a down round exercise price reset provision stating that, in the event the Company issues shares of its common stock or common stock equivalents in a subsequent financing transaction at a price below the then prevailing warrant exercise price, then the exercise price of the warrants will be adjusted downward to the price at which the Company issues the common stock or common stock equivalents. As a result of the December 2014 Financing Transaction, the exercise price of the warrants issued in the January 2013 Financing Transaction has been adjusted to \$0.64 per share.

In addition, the warrants contain a net-cash settlement feature that gives the warrant holder the right to net-cash settlement in the event certain transactions occur. Pursuant to the net-cash settlement provision of the warrants, if such a transaction occurs, the warrant holder will be entitled to receive cash equal to the value calculated under the Black-Scholes valuation model using (i) an expected volatility equal to the greater of 100% and the 100-day volatility obtained from the HVT function on Bloomberg, (ii) an expected term equal to the remaining term of the warrant, and (iii) an interest rate equal to the United States Treasury risk-free rate for the term of the lesser of the remaining term of the warrant or twenty-four months.

Common Stock Warrants Requiring Liability Accounting

The net-cash settlement and down round provisions contained in the warrants issued in the January 2013 Financing Transaction require derivative liability accounting treatment for the warrants. Likewise, a down round provision contained in the terms of warrants issued by the Company in a 2012 financing transaction also requires derivative liability accounting treatment for those warrants. The fair value of all such warrants was calculated using the Monte Carlo simulation valuation method.

MRI INTERVENTIONS, INC.
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Assumptions used in calculating the fair value of the warrants are noted below:

	<u>December 31,</u>		<u>Transaction Date</u>
	<u>2014</u>	<u>2013</u>	<u>January 2013</u> <u>Financing</u>
Dividend yield	0%	0%	0%
Expected volatility	39.3% - 100.0%	40.4% - 100.0%	47.1% - 100.0%
Risk free interest rates	0.67% - 1.12%	1.01% - 1.27%	0.91%
Expected remaining term (in years)	2.51 to 3.07	3.51 to 4.07	5.00

In addition to the assumptions above, the Company also takes into consideration whether or not it would participate in another round of equity financing and, if so, what that stock price would be for such a financing at that time.

The fair values and the changes in fair values of the warrants accounted for as derivative liabilities are reflected below:

Balance at January 1, 2013	\$ 2,128,302
Fair value of January 2013 warrants at transaction date	3,305,245
Gain on change in fair value	<u>(1,685,689)</u>
Balance at December 31, 2013	3,747,858
Gain on change in fair value	<u>(1,549,696)</u>
Balance at December 31, 2014	<u>\$ 2,198,162</u>

Stock Incentive Plans

The Company has various share-based compensation plans and share-based compensatory contracts (collectively, the “Plans”). The Plans provide for the granting of share-based awards, such as incentive and non-qualified stock options, to employees, directors, consultants and advisors, and some of the Plans provide for cash-based awards. Awards may be subject to a vesting schedule as set forth in each individual award agreement.

In June 2013, the stockholders of the Company approved the 2013 Incentive Compensation Plan (the “2013 Plan”). Upon stockholder approval of the 2013 Plan, the Company ceased making awards under a previous plan. A total of 1,250,000 shares of the Company’s common stock are reserved for issuance under the 2013 Plan, of which awards as to 1,038,167 shares were outstanding as of December 31, 2014. Thus, awards as to 211,833 shares remained available for grants under the 2013 Plan as of December 31, 2014.

In December 2013, the Company’s board of directors approved the 2013 Non-Employee Director Equity Incentive Plan (the “Director Plan”). A total of 570,000 shares of the Company’s common stock are reserved for issuance under the Director Plan. The shares reserved for issuance under the Director Plan are intended to be used to cover the stock options granted pursuant to the terms of the Company’s Non-Employee Director Compensation Plan. As of December 31, 2014, awards for 295,000 shares had been issued under the Director Plan. Therefore, 275,000 shares remained available for awards under the Director Plan as of December 31, 2014.

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Activity with respect to stock options issued by the Company is summarized as follows:

	Options Outstanding	Options Exercisable (1)	Range of Exercise Prices		Weighted- average Exercise price per share	Intrinsic Value (2)
Balance at January 1, 2013	6,432,127		\$ 0.88	- \$ 9.64	\$ 1.58	\$ 1,846,040
Exercisable at January 1, 2013		<u>2,386,909</u>	0.88	- 9.64	2.13	205,000
Granted (3)	1,219,500		1.09	- 1.75	1.43	
Cancelled or forfeited	<u>(221,402)</u>		1.00	- 9.64	4.33	
Outstanding at December 31, 2013	7,430,225		0.88	- 9.64	1.47	1,493,368
Exercisable at December 31, 2013		<u>4,416,292</u>	0.88	- 9.64	1.68	566,589
Granted (3)	3,284,500		0.80	- 1.46	1.09	
Exercised	<u>(162,500)</u>		0.88	- 0.88	0.88	
Cancelled or forfeited	<u>(208,916)</u>		0.88	- 9.64	1.42	
Outstanding at December 31, 2014	<u>10,343,309</u>		0.80	- 9.64	1.36	4,800
Exercisable at December 31, 2014		<u>5,627,505</u>	1.00	- 9.64	1.56	600

- (1) Certain of these options are subject to the derivative restriction agreements entered into by the Company's directors and executive officers.
- (2) Intrinsic value is calculated as the estimated fair value of the Company's stock at the end of the related period less the option exercise price of in-the-money options.
- (3) All options granted during the years ended December 31, 2013 and 2014 were granted with exercise prices which were deemed to be equal to the fair market value of the Company's stock on the date of grant, except for 200,000 options granted in December 2013 that have an exercise price of \$1.75, which was deemed to be above fair market value on the date of grant.

The following table summarizes information about stock options at December 31, 2014 (contractual life expressed in years):

Range of Exercise Prices	Options Outstanding			Options Exercisable (1)		
	Number Outstanding	Weighted - Average Remaining Contractual Life	Weighted - Average Exercise Price	Number Exercisable	Weighted - Average Remaining Contractual Life	Weighted - Average Exercise Price
\$ 0.80 - \$1.13	5,997,567	8.37	\$ 1.05	2,055,433	6.71	\$ 1.01
1.16 - 2.13	4,252,117	7.37	1.70	3,478,447	6.76	1.76
3.20 - 9.64	93,625	3.14	6.04	93,625	3.14	6.04
	<u>10,343,309</u>	7.91	1.36	<u>5,627,505</u>	6.68	1.56

- (1) Certain of these options are subject to the derivative restriction agreements entered into by the Company's directors and executive officers.

MRI INTERVENTIONS, INC.
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The weighted average grant date fair value of options granted during the years ended December 31, 2013 and 2014 was \$0.63 and \$0.54, respectively. A summary of the status of the Company's nonvested stock options during the years ended December 31, 2013 and 2014 is presented below:

Nonvested Stock Options	Shares	Weighted - Average Grant Date Fair Value
Nonvested January 1, 2013	4,045,218	\$ 0.56
Granted	1,219,500	0.63
Forfeited	(94,833)	0.76
Vested	(2,155,952)	0.58
Nonvested December 31, 2013	3,013,933	0.52
Granted	3,284,500	0.54
Forfeited	(46,416)	0.58
Vested	(1,536,213)	0.50
Nonvested December 31, 2014	4,715,804	0.54

As of December 31, 2014, there was a total of approximately \$2,045,000 of unrecognized compensation cost related to share-based compensation arrangements granted under the Plans. That cost is expected to be recognized over a weighted-average period of approximately 2.3 years.

The assumptions used in calculating the fair value under the Black-Scholes option-pricing model are set forth in the following table for options issued by the Company during the:

	Years Ended December 31,	
	2014	2013
Dividend yield	0%	0%
Expected Volatility	49.4% to 51.8%	43.4% to 46.0%
Risk free Interest rates	1.73% to 2.71%	0.92% to 2.10%
Expected lives (in years)	5.5 - 6.0	5.0 - 6.0

Warrants

Outstanding warrants relate primarily to warrants issued in connection with financings. Warrants have been issued for terms of up to five years. Common stock warrants issued, expired and outstanding during the years ended December 31, 2013 and 2014 are as follows:

	Shares	Weighted - Average Exercise Price
Outstanding at January 1, 2013	8,763,836	\$ 0.95
Expired	(41,666)	1.00
Issued	4,643,842	1.75
Shares withheld on net settled exercises	(101,318)	0.85
Exercised	(1,127,829)	0.08
Outstanding at December 31, 2013	12,136,865	1.33
Issued	8,622,271	0.98
Outstanding at December 31, 2014	20,759,136	0.91(1)

(1) This weighted-average exercise price reflects the impact of warrant exercise price adjustments triggered by the December 2014 private placement.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

The following table summarizes information about outstanding warrants at December 31, 2014 (contractual life expressed in years):

<u>Exercise Price</u>	<u>Number Outstanding</u>	<u>Weighted - Average Remaining Contractual Life</u>	<u>Intrinsic Value (1)</u>
\$ 0.60	458,977	3.14	\$ 105,565
0.64	4,600,842	2.16	874,160
0.75	2,577,750	2.11	206,220
0.86	7,432,021	4.98	-
0.97	343,578	2.50	-
1.00	1,360,000	2.35	-
1.19	2,727,274	2.50	-
1.75	1,233,250	4.23	-
8.00	25,444	0.24	-
	<u>20,759,136</u>	<u>3.37</u>	<u>\$ 1,185,945</u>

- (1) Intrinsic value is calculated as the estimated fair value of the Company's stock at December 31, 2014 less the warrant exercise price of in-the-money warrants.

8. Income Taxes

The Company had no income tax expense for the years ended December 31, 2014 and 2013. Due to uncertainties surrounding the realization of its deferred income tax assets in future periods, the Company has recorded a 100% valuation allowance against its net deferred income tax assets. If it is determined in the future that it is more likely than not that any deferred income tax assets are realizable, the valuation allowance will be reduced by the estimated net realizable amounts. For the years ended December 31, 2014 and 2013, the valuation allowance increased by \$1,247,481 and \$3,022,506, respectively.

The tax effect of temporary differences and net operating losses that give rise to components of deferred income tax assets and liabilities consist of the following:

	<u>As of December 31,</u>	
	<u>2014</u>	<u>2013</u>
Deferred income tax assets (liabilities):		
Property and equipment	\$ (79,190)	\$ (153,864)
Deferred revenue	38,989	40,564
Accrued expenses	50,613	223,022
Share based compensation related	1,738,280	1,554,048
Other	334,217	208,266
Net operating loss carryforwards	<u>24,125,719</u>	<u>23,089,111</u>
	26,208,628	24,961,147
Less valuation allowance	<u>(26,208,628)</u>	<u>(24,961,147)</u>
	<u>\$ -</u>	<u>\$ -</u>

The Company had a cumulative federal net operating loss of approximately \$63,000,000 as of December 31, 2014, which begins to expire in 2015. Under Sections 382 and 383 of the Internal Revenue Code, if an ownership change occurs with respect to a "loss corporation," as defined, there are annual limitations on the amount of the net operating loss and other deductions which are available to the Company. The Company has not determined whether such an ownership change has occurred. However, given the equity transactions in which the Company has engaged, the Company believes that the use of the net operating losses shown as deferred tax assets will be significantly limited.

Management has evaluated the effect of guidance provided by GAAP regarding accounting for uncertainty in income taxes and determined the Company has no uncertain tax positions that could have a significant impact on its consolidated financial statements. The Company's income tax returns after 2010 remain open for examination.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

9. Commitments

Leases

The Company leases office space in Tennessee and California under non-cancellable operating leases. The leases expire in 2015. At December 31, 2014, future minimum lease payments under non-cancellable operating leases were \$117,638.

Rent expense under all operating leases was approximately \$166,000 and \$149,000 for the years ended December 31, 2014 and 2013, respectively

Licenses

Certain license arrangements require minimum royalty payments. As of December 31, 2014, future minimum payments under these arrangements are as follows:

<u>Years ending December 31,</u>	
2015	\$ 100,000
2016	105,000
2017	115,000
2018	95,000
2019	95,000
Thereafter	795,000
Total minimum payments	<u>\$ 1,305,000</u>

Royalty payment amounts may be greater than the minimum required payment amounts based on the negotiated royalty rates. If the Company sublicenses the intellectual property that is licensed from the licensor and the Company receives any royalty payment under or with respect to such sublicense, the Company is obligated to pay the licensor an agreed upon percentage of any such payments. Under the terms of these license agreements, the Company is required to reimburse the licensor for costs incurred by the licensor associated with patent filing, prosecution and maintenance. The Company may terminate these license agreements for any reason, upon giving the licensor either 60 or 90 days written notice, depending on the agreement.

Co-Development Agreement

In February 2014, the Company and Siemens Medical Solutions USA, Inc. (“Siemens Medical”) entered into a Development Agreement (the “New Siemens Agreement”), which replaced and supersedes the Company’s Cooperation and Development Agreement with Siemens Aktiengesellschaft, Healthcare Sector (“Siemens AG”) entered into in 2009 (the “Original Siemens Agreement”). References below to “Siemens” will mean Siemens Medical or Siemens AG, as applicable.

Under the New Siemens Agreement, the Company, with cooperation, assistance and technical support from Siemens, plans to develop the commercial version of the research software platform created by Siemens under the Original Siemens Agreement. In addition, under the New Siemens Agreement, Siemens developed certain software features (the “Host Features”) for a planned software release for certain Siemens MAGNETOM MRI systems. The Host Features will enable the connection of the Company’s software and catheters to those MAGNETOM MRI systems, and the Company paid Siemens to perform the development work for the Host Features. The Host Features, which are owned by Siemens, will run within the MRI scanner system. The Host Features will then connect to the Company’s software, which will operate on a separate computer workstation, and enable the performance of MRI-guided cardiac ablation procedures. At December 31, 2014, all amounts required to be paid by the Company to Siemens for software development under the New Siemens Agreement had been expensed.

Technical Service and Training Agreements

The Company entered into technical service and training service agreements with a university whereby the Company committed to pay for certain services to be provided. Under the agreements, the Company is obligated to make payments totaling approximately \$87,000 during 2015. No payment obligation exists under the agreements beyond 2015.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

Master Services and Software License Agreement

In July 2007, the Company entered into a Master Services and Licensing Agreement (the “Master Software Agreement”) with Merge Healthcare Canada Corp. f/k/a Cedara Software Corp. (“Merge”) for Merge to develop on the Company’s behalf, based on the Company’s detailed specifications, a customized software solution for the Company’s ClearPoint system. Merge was in the business of providing software development and engineering services on a contract basis to a number of companies. In developing the Company’s ClearPoint system software, Merge utilized certain of its own pre-existing software code. Under the Master Software Agreement, the Company received a non-exclusive, worldwide license to the pre-existing software code, in object code form, as an integrated component of the Company’s ClearPoint system software. In return, the Company agreed to pay Merge a license fee for each copy of the ClearPoint system software that the Company distributes, subject to certain minimum license purchase commitment by the Company.

In July 2013, the Company and Merge entered into an amendment to the Master Software Agreement (the “2013 Software Amendment”). At the Company's request, the parties entered into the 2013 Software Amendment to enable the Company to internally perform development, maintenance and support of its ClearPoint system software going forward. As a result, the services which the Company had been outsourcing to Merge are now performed by the Company itself. Under the 2013 Software Amendment, Merge granted the Company a non-exclusive, non-transferable, worldwide license to the source code for certain Merge software, which as mentioned above had been utilized in Merge’s original development work, to use in the Company’s further development and commercialization of its ClearPoint system software. In return, the Company agreed to pay Merge a one-time license fee. Merge may terminate the source code license only for cause. The Company will continue to pay Merge a license fee for each copy of the ClearPoint system software that the Company distributes, but only for licenses in excess of those licenses already purchased or otherwise acquired by the Company prior to the 2013 Software Amendment. The Company had already satisfied its minimum license purchase commitments from the Master Software Agreement. The portion of the licenses purchased by the Company that is not expected to be sold or placed in service in the next 12 months has been recorded as a non-current asset, called software license inventory.

Cardiac EP Business Participation Plan

In June 2010, the Company adopted a plan to provide a key product development advisor and consultant with financial rewards in the event that the Company sells its business operations relating to catheter-based MRI-guided cardiac ablation to treat cardiac arrhythmias, which the Company refers to as its cardiac EP operations. In the event the Company sells its cardiac EP operations, whether on a stand-alone basis or as part of the sale of the Company, the participant will receive a payment under the plan equal to (i) the transaction value paid for or allocated to the cardiac EP operations in the sale, multiplied by (ii) the participant’s “participation interest” at the time of the sale. The participant was initially awarded a participation interest of 6.6%. However, pursuant to the terms of the plan, the participation interest is equitably reduced from time to time to take into account equity financing transactions in which the Company issues shares of its common stock, or securities convertible into shares of its common stock, in exchange for cash proceeds. At December 31, 2014, the participation interest was 2.5%. The plan will terminate in June 2025.

Employment Agreements

The Company has employment agreements (each, an “Employment Agreement,” and collectively, the “Employment Agreements”) with seven executive officers (each, an “Executive”). Among other provisions customary for agreements of this nature, the Employment Agreements provide for severance in the event the Company terminates the Executive’s employment without cause. Likewise, the Employment Agreements provide for certain payments in connection with a change of control transaction and a termination of employment following a change of control transaction. The Employment Agreements for two of the Executives provide for a retention bonus in the amount of \$166,667 to be paid to each of the two Executives if such Executive is still employed by the Company on July 31, 2015. The retention bonus is payable on the earlier of July 31, 2015 or the date on which the Executive’s employment is terminated without cause.

Key Personnel Incentive Program

The Company adopted its Key Personnel Incentive Program to provide a consultant and an employee (collectively, the “Participants”), who at the time of adoption of the program were key to the Company’s development and licensing activities, with the opportunity to receive incentive bonus payments based on the performance of future services to the Company or upon a consummation of a transaction involving the sale of the Company. In June 2012, the Participants voluntarily and irrevocably relinquished their rights to receive, and the Participants discharged the Company from its obligations to make, any and all incentive bonus payments under the Key Personnel Incentive Program based on the performance of services.

MRI INTERVENTIONS, INC.
Notes to Consolidated Financial Statements

Pursuant to the Key Personnel Incentive Program, in the event of a sale transaction, each of the Participants will be entitled to receive an incentive bonus payment equal to \$1,000,000. In addition, one of the Participants will also receive an incentive bonus payment equal to 1.4% of net proceeds from the sale transaction in excess of \$50,000,000, but not to exceed \$700,000. If a sale has not occurred by December 31, 2025, the Key Personnel Incentive Program will terminate. One of the Participants in the Key Personnel Incentive Program was previously a non-employee director of the Company.

10. Legal Proceeding

In June 2013, Custom Equity Research, Inc. d/b/a Summer Street Research Partners (“Summer Street”) commenced an arbitration proceeding alleging breach of contract and quantum meruit claims against the Company. Summer Street claimed that the Company owed it additional cash commissions and common stock warrants in connection with the Company’s previous engagement of Summer Street to serve as its financial advisor and placement agent. In the arbitration, the Company filed counter-claims against Summer Street alleging fraud and misrepresentation, abuse of process and malicious prosecution. In July 2014, the Company and Summer Street entered into a settlement agreement, which resulted in the dismissal of the arbitration. Pursuant to the settlement agreement, the Company paid Summer Street \$20,000.

11. Subsequent Events

Restructuring

In March 2015, the Company announced that it will consolidate all major business functions into its Irvine, California office. In connection with this consolidation, the Company will close its Memphis, Tennessee office in May of this year. The Company will not retain any of its Memphis-based employees. A total of seven employees will be impacted by the consolidation, including three current executive officers of the Company. In addition to the retention bonuses described in Note 9 that the Company will pay upon termination of the two applicable executive officers, the Company expects to incur approximately \$450,000 of costs, consisting of severance and other related compensation, related payroll taxes, and certain office closure costs. Most of these costs are expected to be recorded to expense during the first quarter of 2015 and paid during the second quarter of 2015.

In connection with the consolidation, the Company entered into an employment agreement in March 2015 to hire a new chief financial officer. Under the terms of this employment agreement, the Company will grant an option to purchase 450,000 shares of the Company’s common stock on the date employment begins. In addition, upon each of the first and second anniversaries of the start date, the new chief financial officer will receive additional stock options to purchase 150,000 shares of the Company’s common stock. The exercise price of such options will be equal to the fair market value of the Company’s common stock on the date of grant. The stock options will vest and become exercisable in three equal annual installments, conditioned on continued employment.

Lease Extension

In March 2015, the Company’s lease agreement for its Irvine, California facility was amended to extend the term by three years. The term of the lease agreement was previously scheduled to end in September 2015. Lease payments for the term of the three year extension total approximately \$275,000.

MRI INTERVENTIONS, INC.
Condensed Consolidated Balance Sheets
(Unaudited)

	September 30, 2015	December 31, 2014
ASSETS		
Current Assets:		
Cash and cash equivalents	\$ 1,851,862	\$ 9,244,006
Accounts receivable	837,441	468,949
Inventory, net	1,802,818	1,965,039
Prepaid expenses and other current assets	133,341	29,220
Total current assets	4,625,462	11,707,214
Property and equipment, net	495,084	482,970
Software license inventory	919,600	910,000
Other assets	232,982	285,498
Total assets	\$ 6,273,128	\$ 13,385,682
LIABILITIES AND STOCKHOLDERS' DEFICIT		
Current liabilities:		
Accounts payable	\$ 640,637	\$ 997,090
Accrued compensation	459,142	323,644
Other accrued liabilities	1,092,112	1,297,712
Derivative liabilities	1,216,939	2,198,162
Deferred product and service revenues	165,562	102,710
Senior secured note payable, net of unamortized discount of \$118,342	4,171,103	—
Total current liabilities	7,745,495	4,919,318
Accrued interest	524,625	876,025
Senior secured note payable, net of unamortized discount of \$271,305	—	4,018,139
2014 junior secured 12% notes payable, net of unamortized discount of \$317,364 and \$369,299 at September 30, 2015 and December 31, 2014, respectively	3,407,636	3,355,701
2010 junior secured notes payable, net of unamortized discount of \$2,582,256 and \$2,683,171 at September 30, 2015 and December 31, 2014, respectively	417,744	316,829
Total liabilities	12,095,500	13,486,012
Commitments and contingencies		
Stockholders' deficit:		
Common stock, \$0.01 par value; 200,000,000 shares authorized; 74,971,026 shares issued and outstanding at September 30, 2015; and 74,842,428 issued and outstanding at December 31, 2014	749,709	748,424
Additional paid-in capital	77,956,063	76,428,580
Accumulated deficit	(84,528,144)	(77,277,334)
Total stockholders' deficit	(5,822,372)	(100,330)
Total liabilities and stockholders' deficit	\$ 6,273,128	\$ 13,385,682

See accompanying notes.

MRI INTERVENTIONS, INC.
Condensed Consolidated Statements of Operations
(Unaudited)

	For The Three Months Ended September 30,	
	2015	2014
Revenues:		
Product revenues	\$ 1,209,321	\$ 588,343
Other service revenues	33,709	44,861
Development service revenues	3,404	—
Total revenues	1,246,434	633,204
Cost of product revenues	560,394	315,852
Research and development costs	480,280	873,366
Selling, general, and administrative expenses	2,132,777	2,062,309
Operating loss	(1,927,017)	(2,618,323)
Other income (expense):		
Gain (loss) on change in fair value of derivative liabilities	1,950,329	(781,157)
Other income, net	45,302	38,237
Interest income	2,692	2,804
Interest expense	(316,705)	(288,783)
Net loss	\$ (245,399)	\$ (3,647,222)
Net loss per share attributable to common stockholders:		
Basic and diluted	\$ (0.00)	\$ (0.06)
Weighted average shares outstanding:		
Basic and diluted	74,912,906	58,957,191

See accompanying notes.

MRI INTERVENTIONS, INC.
Condensed Consolidated Statements of Operations
(Unaudited)

	For The Nine Months Ended	
	September 30,	
	2015	2014
Revenues:		
Product revenues	\$ 2,963,073	\$ 2,456,171
Other service revenues	93,663	84,623
Development service revenues	25,842	103,846
Total revenues	<u>3,082,578</u>	<u>2,644,640</u>
Cost of product revenues	1,340,824	1,243,472
Research and development costs	1,434,723	2,589,410
Selling, general, and administrative expenses	6,608,829	5,792,241
Restructuring charges	1,252,584	—
Gain on sale of intellectual property	—	(4,338,601)
Operating loss	<u>(7,554,382)</u>	<u>(2,641,882)</u>
Other income (expense):		
Gain on change in fair value of derivative liabilities	981,222	578,179
Other income, net	243,505	167,614
Interest income	14,887	10,055
Interest expense	(936,043)	(723,886)
Net loss	<u>\$ (7,250,811)</u>	<u>\$ (2,609,920)</u>
Net loss per share attributable to common stockholders:		
Basic and diluted	\$ (0.10)	\$ (0.04)
Weighted average shares outstanding:		
Basic and diluted	74,878,962	58,864,305

See accompanying notes.

MRI INTERVENTIONS, INC.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	For The Nine Months Ended September 30,	
	2015	2014
Cash flows from operating activities:		
Net loss	\$ (7,250,811)	\$ (2,609,920)
Adjustments to reconcile net income (loss) to net cash flows from operating activities:		
Depreciation and license amortization	153,545	294,639
Share-based compensation	1,421,198	555,909
Expenses paid through the issuance of common stock	107,570	374,546
Gain on change in fair value of derivative liabilities	(981,222)	(578,179)
Gain on negotiated reductions in accounts payable	—	(70,000)
Gain on sale of intellectual property	—	(4,338,601)
Amortization of debt issuance costs and original issue discounts	342,645	233,865
Increase (decrease) in cash resulting from changes in:		
Accounts receivable	(368,492)	221,586
Inventory	83,987	(657,948)
Prepaid expenses and other current assets	(104,121)	126,778
Other assets	(9,317)	—
Accounts payable and accrued expenses	(777,956)	1,203,834
Deferred revenue	62,852	(12,796)
Net cash flows from operating activities	(7,320,122)	(5,256,287)
Cash flows from investing activities:		
Purchases of property and equipment	(72,021)	(11,590)
Net cash flows from investing activities	(72,021)	(11,590)
Cash flows from financing activities:		
Net proceeds from debt private placement	—	3,503,314
Proceeds from stock option exercises	—	143,000
Net cash flows from financing activities	—	3,646,314
Net change in cash and cash equivalents	(7,392,144)	(1,621,563)
Cash and cash equivalents, beginning of period	9,244,006	3,516,244
Cash and cash equivalents, end of period	\$ 1,851,862	\$ 1,894,681
SUPPLEMENTAL CASH FLOW INFORMATION		
Cash paid for:		
Income taxes	\$ —	\$ —
Interest	\$ 223,500	\$ 223,823

See accompanying notes.

MRI INTERVENTIONS, INC.
Condensed Consolidated Statements of Cash Flows (continued)
(Unaudited)

NON-CASH INVESTING AND FINANCING TRANSACTIONS:

- During the nine months ended September 30, 2015, ClearPoint reusable components with a net carrying cost of \$196,882 were transferred from inventory to loaned systems, which is included in property and equipment in the accompanying condensed consolidated balance sheets. During the nine months ended September 30, 2014, ClearPoint reusable components with a net carrying value of \$10,344 were transferred from loaned systems to inventory.
- In March 2014, the Company entered into an asset purchase agreement to sell certain intellectual property. The asset purchase price was satisfied through the cancellation of related party convertible notes payable in the aggregate amount of \$4,338,601.
- In recording the March 2014 private placement transaction of debt and warrants, the Company recorded the fair value of the warrants issued to the placement agent, in the amount of \$30,210, as a deferred financing cost, and the Company recorded a corresponding amount to additional paid-in capital. In addition, warrants with a relative fair value of \$413,057 were issued to investors in the private placement transaction. The relative fair value of these warrants was recorded as additional paid-in capital, which resulted in a corresponding debt discount.

MRI INTERVENTIONS, INC.
Notes to Condensed Consolidated Financial Statements
(Unaudited)

1. Description of the Business and Liquidity

MRI Interventions, Inc. (the “Company”) is a medical device company focused on the development and commercialization of technology that enables physicians to see inside the brain and heart using direct, intra-procedural magnetic resonance imaging (“MRI”) guidance while performing minimally invasive surgical procedures. The Company was incorporated in the state of Delaware in March 1998. The Company’s principal executive office and principal operations are located in Irvine, California. The Company established MRI Interventions (Canada) Inc., a wholly-owned subsidiary incorporated in Canada, in August 2013. This subsidiary was established primarily for the purpose of performing software development, and its activities are reflected in these condensed consolidated financial statements.

The Company’s ClearPoint system, an integrated system comprised of reusable and disposable products, is designed to allow minimally invasive procedures in the brain to be performed in an MRI suite. The Company received 510(k) clearance from the U.S. Food and Drug Administration (“FDA”) in 2010 to market the ClearPoint system in the United States for general neurological interventional procedures. The Company’s ClearTrace system is a product candidate under development that is designed to allow catheter-based minimally invasive procedures in the heart to be performed in an MRI suite.

Liquidity and Management’s Plans

The cumulative net loss from the Company’s inception through September 30, 2015 was \$84,528,144. Net cash used in operations was \$7,320,122 for the nine months ended September 30, 2015 and \$7,250,303 for the year ended December 31, 2014. Since inception, the Company has financed its operations principally from the sale of equity securities, the issuance of notes payable and license arrangements. Recent financing activities consist of: (i) a December 2014 private placement of equity, which resulted in net proceeds of \$9,379,880; and (ii) a March 2014 private placement of debt and warrants, which resulted in net proceeds of \$3,503,314. In addition, in March 2014, the Company completed a transaction with Boston Scientific Corporation and certain of its affiliates (collectively “Boston Scientific”) that resulted in the cancellation of \$4,338,601 in related party convertible notes payable held by Boston Scientific, which were scheduled to mature in 2014 (see Note 5).

The Company’s plans for the next twelve months reflect management’s anticipation of increases in revenues from sales of the ClearPoint system and related disposable products as a result of greater utilization at existing installed sites and the installation of the ClearPoint system at new sites. Management also anticipates maintaining recurring operating expenses at historical levels, with expected decreases in general and administrative expenses resulting primarily from the operational restructuring discussed in Note 4, being offset by increases in selling and marketing expenses associated with the anticipated growth in revenues. However, there is no assurance that the Company will be able to achieve its anticipated results, and even in the event such results are achieved, the Company expects to continue to consume cash in its operations over at least the next twelve months. In addition, as discussed in Note 6, the Company has a note payable to Brainlab AG (the “Brainlab Note”) that matures in April 2016, with both principal of \$4.3 million and accrued interest of \$740,000 at the maturity date payable in a single installment upon maturity.

As a result of the foregoing, the Company believes it will be necessary to seek additional financing from the sale of equity or debt securities, which likely would result in dilution to the Company’s current stockholders, or from the establishment of a credit facility. There is no assurance, however, that the Company will be able to obtain such additional financing on commercially reasonable terms, if at all, and there is no assurance that any additional financing that the Company does obtain will be sufficient to meet its needs. If the Company is not able to obtain the additional financing on a timely basis, the Company may be unable to achieve its anticipated results, and the Company may not be able to meet its other obligations as they become due. An inability to obtain a sufficient amount of additional financing would create substantial doubt as to the Company’s ability to continue as a going concern.

The accompanying condensed consolidated financial statements do not include any adjustments relating to the recoverability and classification of recorded asset amounts or amounts and classification of liabilities that might be necessary should the Company be unable to continue in existence.

MRI INTERVENTIONS, INC.
Notes to Condensed Consolidated Financial Statements
(Unaudited)

2. Basis of Presentation and Summary of Significant Accounting Policies

Basis of Presentation and Use of Estimates

In the opinion of management, the accompanying unaudited condensed consolidated financial statements (“condensed financial statements”) have been prepared on a basis consistent with the Company’s December 31, 2014 audited consolidated financial statements, and include all adjustments, consisting of only normal recurring adjustments, necessary to fairly state the information set forth therein. The condensed financial statements have been prepared in accordance with United States (“U.S.”) Securities and Exchange Commission (“SEC”) rules for interim financial information, and, therefore, omit certain information and footnote disclosures necessary to present such statements in accordance with generally accepted accounting principles in the U.S. (“GAAP”). The preparation of the condensed financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, expenses and the related disclosures at the date of the financial statements and during the reporting period. Actual results could materially differ from these estimates. These condensed financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2014, which was filed with the SEC on March 17, 2015. The accompanying unaudited condensed consolidated balance sheet as of December 31, 2014 has been derived from the audited consolidated financial statements at that date, but does not include all information and footnotes required by GAAP for a complete set of financial statements. The results of operations for the three and nine months ended September 30, 2015 may not be indicative of the results to be expected for the entire year or any future periods.

Derivative Liabilities for Warrants to Purchase Common Stock

Derivative liabilities for warrants to purchase common stock represent the fair value of warrants issued in connection with certain private placements of shares of the Company’s common stock (see Note 7). The fair values of these warrants are presented as liabilities based on certain net cash settlement and exercise price reset, or “down round,” provisions. These derivative liabilities are calculated utilizing the Monte Carlo simulation valuation method. Changes in the fair values of these warrants are recognized as other income or expense in the related statements of operations.

Fair Value Measurements

The Company measures and records certain financial assets and liabilities at fair value on a recurring basis. GAAP provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority, referred to as Level 1, to quoted prices in active markets for identical assets and liabilities. The next priority, referred to as Level 2, is given to quoted prices for similar assets or liabilities in active markets or quoted prices for identical or similar assets or liabilities in markets that are not active; that is, markets in which there are few transactions for the asset or liability. The lowest priority, referred to as Level 3, is given to unobservable inputs. The table below reflects the level of the inputs used in the Company’s fair value calculation for instruments carried at fair value at (see Note 7):

	Quoted Prices in Active Markets (Level 1)	Significant Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total Fair Value
<u>September 30, 2015</u>				
Derivative liabilities - warrants	\$ —	\$ —	\$ 1,216,939	\$ 1,216,939
<u>December 31, 2014</u>				
Derivative liabilities - warrants	\$ —	\$ —	\$ 2,198,162	\$ 2,198,162

Carrying amounts of the Company’s cash and cash equivalents, accounts receivable, accounts payable and accrued liabilities approximate their fair values due to their short maturities.

MRI INTERVENTIONS, INC.
Notes to Condensed Consolidated Financial Statements
(Unaudited)

The table below reflects the carrying values and the estimated fair values, based on Level 3 inputs, of the Company's outstanding notes payable, including the related accrued interest, at September 30, 2015:

	Carrying Values	Estimated Fair Values
Senior secured note payable, including accrued interest	\$ 4,789,026	\$ 4,789,026
2014 junior secured notes payable, including accrued interest	3,416,011	3,416,011
2010 junior secured notes payable, including accrued interest	933,994	2,476,630

Inventory

Inventory is carried at the lower of cost (first-in, first-out method) or net realizable value. Items in inventory relate predominantly to the Company's ClearPoint system. Software license inventory that is not expected to be utilized within the next twelve months is classified as a non-current asset. The Company periodically reviews its inventory for obsolete items and provides a reserve upon identification of potential obsolete items.

Revenue Recognition

The Company's revenues are comprised of: (1) product revenues resulting primarily from the sale of ClearPoint system reusable and disposable products; (2) development service revenues; and (3) other service revenues. The Company recognizes revenue when persuasive evidence of an arrangement exists, the selling price or fee is fixed or determinable, collection is reasonably assured and, for product revenues, risk of loss has transferred to the customer. For all sales, the Company requires either a purchase agreement or a purchase order as evidence of an arrangement. The Company analyzes revenue recognition on an individual arrangement basis. The Company determines whether deliverables under an arrangement represent one or more separate units of accounting as defined by GAAP. Application of GAAP regarding multiple-element arrangements requires management to make subjective judgments about the values of the individual elements and whether delivered elements are separable from the other aspects of the contractual relationship.

(1) Product Revenues

Sales of ClearPoint system reusable products: Generally, revenues related to the sale of ClearPoint system reusable products are recognized upon installation of the system and the completion of training of at least one of the customer's physicians, which typically occurs concurrently with the installation. Reusable products include software which is integral to the utility of the system as a whole. Sales of reusable products that have stand-alone value to the customer are recognized when risk of loss passes to the customer. Sales of ClearPoint reusable products to a distributor that has been trained to perform system installations and to conduct ClearPoint physician training are recognized at the time risk of loss passes to the distributor.

Sales of disposable products: Revenues from the sale of disposable products, including ClearPoint system disposable products, are recognized at the time risk of loss passes to the customer, which is generally upon delivery to the customer's location, depending on the agreed upon terms with the customer.

(2) Development Service Revenues — The Company is party to an agreement under which it provides development services to a third party. Under the agreement, the Company earns revenue equal to costs incurred for outside expenses related to the development services provided, plus actual direct internal labor costs (including the cost of employee benefits), plus an overhead markup of the direct internal labor costs incurred. Revenues are recognized in the period in which the Company incurred the related costs.

(3) Other Service Revenues — Other service revenues are comprised of installation fees, training fees, shipping fees and service fees charged in connection with ClearPoint system installations and ClearPoint system service agreements. Typically, the Company bills at the inception of service agreements, which have terms ranging from one to three years. These amounts are recognized as revenues ratably over the term of the related service agreement.

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Net Loss Per Share

The Company computes net loss per share using the weighted-average number of common shares outstanding during the period. Basic and diluted net loss per share are the same because the conversion, exercise or issuance of all potential common stock equivalents, which are comprised of the Company's common stock options and warrants described in Note 7, would be anti-dilutive.

Concentration Risks and Other Risks and Uncertainties

Financial instruments that potentially subject the Company to significant concentrations of credit risk consist primarily of cash and cash equivalents and accounts receivable. The Company holds its cash and cash equivalents on deposit with financial institutions in the U.S. insured by the Federal Deposit Insurance Corporation. At September 30, 2015, the Company had no bank balances that were in excess of the insured limits.

At September 30, 2015, three commercial customers represented 21%, 10% and 10% of the Company's accounts receivable balance. At December 31, 2014, two commercial customers represented 20% and 17% of the Company's accounts receivable balance. No other customer represented more than 9% of total accounts receivable at each of September 30, 2015 and December 31, 2014.

For the three months ended September 30, 2015, sales to three customers represented 16%, 11% and 10% of product revenues. For the three months ended September 30, 2014, sales to two customers represented 16% and 15% of product revenues. For the nine months ended September 30, 2015, sales to one customer represented 13% of product revenues. For the nine months ended September 30, 2014, sales to one customer represented 10% of product revenues. No other single customer represented more than 9% of product revenues for each of the three months ended September 30, 2015 and 2014, and 8% of product revenues for each the nine months ended September 30, 2015 and 2014. The Company performs credit evaluations of its customers' financial condition, and generally does not require collateral from its customers. The Company will provide an allowance for doubtful accounts when collections become doubtful, but the Company has not experienced any credit losses or recorded any allowances to date.

Recent Accounting Pronouncements

In May 2014, and as amended in August 2015, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2014-09, "Revenue from Contracts with Customers," which creates a new Topic, Accounting Standards Codification ("ASC") Topic 606. The standard is principle-based and provides a five-step model to determine when and how revenue is recognized. The core principle is that an entity should recognize revenue when it transfers promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. This standard is effective for the Company beginning in 2018. Earlier application is permitted only as of 2017. The Company is currently evaluating the impact of the adoption of ASC Topic 606 on its consolidated financial statements.

In August 2014, the FASB issued ASU 2014-15, "Disclosure of Uncertainties About an Entity's Ability to Continue as a Going Concern," which provides guidance on determining when and how to disclose going-concern uncertainties in financial statements. The new standard requires management to perform interim and annual assessments of an entity's ability to continue as a going concern within one year of the date the financial statements are issued. An entity must provide certain disclosures if conditions or events raise substantial doubt about the entity's ability to continue as a going concern. ASU 2014-15 applies to all entities and is effective for annual periods ending after December 15, 2016, and interim periods thereafter, with early adoption permitted. The Company is currently evaluating the impact of this update on future disclosures concerning its liquidity position.

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In April 2015, the FASB issued ASU 2015-03, "Simplifying the Presentation of Debt Issuance Costs," which requires debt issuance costs related to a recognized debt liability to be presented in the balance sheet as a direct deduction from the carrying amount of that debt liability, consistent with debt discounts. ASU 2015-03 requires retrospective adoption and is effective for financial statements issued for fiscal years beginning after December 15, 2015 and interim periods within those fiscal years. While ASU 2015-03 permits early adoption, the Company has opted to implement its provisions in conformity with its effective date. Adoption will result in offsetting reductions of assets and liabilities in the amount of the unamortized balances of debt issuance costs as of each balance sheet date, and will have no effect on consolidated results of operations.

In August 2015, the FASB issued ASU 2015-11, "Simplifying the Measurement of Inventory," which requires an entity to measure inventory at the lower of cost or net realizable value, as opposed to the current requirement to measure inventory at the lower of cost or market, where market could be replacement cost, net realizable value, or net realizable value less an approximately normal profit margin. ASU 2015-11 is effective for fiscal years beginning after December 15, 2016 and interim periods within fiscal years beginning after December 15, 2017. ASU 2015-11 is to be applied prospectively with earlier application permitted as of the beginning of an interim or annual reporting period. The Company believes that adoption of ASU 2015-11 will not have a material effect on consolidated results of operations.

3. Inventory

Inventory consists of the following as of:

	September 30, 2015	December 31, 2014
Raw materials and work in process	\$ 1,075,189	\$ 899,014
Software license inventory	284,800	350,000
Finished goods	442,829	716,025
Inventory included in current assets	1,802,818	1,965,039
Software license inventory	919,600	910,000
	<u>\$ 2,722,418</u>	<u>\$ 2,875,039</u>

4. Restructuring Charges

In May 2015, the Company closed its Memphis, Tennessee office and consolidated all major business functions into its Irvine, California headquarters. The Company did not retain any of its Memphis-based employees. A total of seven employees were impacted by the consolidation, including three executives of the Company. In connection with this consolidation, the Company recorded restructuring charges of \$753,400 in March 2015, concurrent with its public announcement of the consolidation, of which approximately \$718,000 related to costs associated with severance and other compensation for the impacted employees.

In connection with the then-contemplated consolidation of the Company's business functions discussed above, effective August 1, 2014, the Company entered into new employment agreements with its then-Chief Financial Officer and one other executive officer. Among other items, the new agreements each provided that if, on or before July 31, 2015, the Company were to terminate the employment of either officer, any unvested stock options would become fully vested on the termination date and would be exercisable until the contractual expiration date of each such option. Under the officers' prior employment agreements, the exercise period subsequent to termination without cause was three years. In connection with the Company's consolidation of its business functions as discussed above, these officers' employment with the Company was terminated without cause on May 15, 2015.

Also in connection with the consolidation of the Company's business functions discussed above, effective April 1, 2015, the Company's then-Executive Chairman and former Chief Executive Officer separated his employment with the Company (continuing thereafter as Chairman). In recognition of the Chairman's contributions as an officer of the Company, the Company's Board of Directors accelerated the vesting of all previously unvested options held by the Chairman and extended the exercise period until the contractual expiration date of each such option. Under the Chairman's prior employment agreement, the exercise period subsequent to termination without cause was three years.

As a result of the modification of the terms of stock options, and as of the employment separation dates in 2015, all as discussed in the preceding two paragraphs, the Company revalued such options and recognized non-cash restructuring costs of \$492,926, and recorded a corresponding amount as additional paid-in capital. Also, in the second fiscal quarter of 2015, the Company recorded additional restructuring charges of \$6,258.

As a result of the foregoing, the Company recorded aggregate restructuring costs of \$1,252,584 in its condensed consolidated statement of operations for the nine months ended September 30, 2015 related to the consolidation of its business functions.

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A reconciliation of the liability for accrued restructuring charges, included in other accrued liabilities in the accompanying condensed consolidated balance sheet, for the nine months ended September 30, 2015 is as follows:

Balance, December 31, 2014	\$	—
Activity during the nine months ended September 30, 2015		
Accruals		1,252,584
Less:		
Non-cash portion of accruals related to modification of stock option terms		(492,926)
Payments		(733,938)
Reclassifications		(20,720)
Balance, September 30, 2015	<u>\$</u>	<u>5,000</u>

5. Sale of Intellectual Property in Exchange for Cancellation of the Boston Scientific Notes

In March 2014, the Company entered into an Asset Purchase Agreement (the “BSC Purchase Agreement”) with Boston Scientific. Pursuant to the BSC Purchase Agreement, Boston Scientific purchased from the Company certain MRI-safety technology for implantable medical leads (the “Transferred Intellectual Property”) for an aggregate purchase price of \$4,338,601. The Transferred Intellectual Property includes some, but not all, of the intellectual property the Company previously licensed exclusively to Boston Scientific within the fields of neuromodulation and implantable medical leads for cardiac applications. The purchase price was satisfied through the cancellation of three convertible notes payable issued by the Company to Boston Scientific, which were scheduled to mature in 2014, in the aggregate principal amount of \$4,338,601 (the “Boston Scientific Notes”). Accordingly, all obligations of the Company under the Boston Scientific Notes were discharged and the liens that secured the Company’s obligations under the Boston Scientific Notes were terminated and released. The Company recorded a gain in its condensed consolidated statement of operations for the nine months ended September 30, 2014, equal to the aggregate purchase price for the assets sold under the BSC Purchase Agreement.

In connection with the BSC Purchase Agreement, the parties entered into a license agreement pursuant to which Boston Scientific granted the Company an exclusive, royalty-free, fully paid up, irrevocable, worldwide license to the Transferred Intellectual Property, with the right to sublicense, within fields of use other than neuromodulation and implantable medical leads for cardiac applications.

In addition, Boston Scientific and the Company entered into amendments to their pre-existing development and license agreements (the “Pre-existing Agreements”), in the fields of neuromodulation and implantable medical leads for cardiac applications, to eliminate the milestone-based payments and royalties provided under those agreements. As such, the Company is no longer entitled to receive any potential future milestone-based payments or royalties under its development and license agreements with Boston Scientific.

The transactions completed under the terms of the BSC Purchase Agreement do not impact the Company’s ability to continue to commercialize its ClearPoint system or to continue the development of its ClearTrace system.

6. Notes Payable

Senior Secured Note Payable

Indebtedness under the Brainlab Note as of September 30, 2015 was \$4,289,445. Interest accrues at 5.5% per year. The Brainlab Note matures in April 2016, and principal and accrued interest is payable in a single installment upon maturity. The Brainlab Note is collateralized by a senior security interest in the assets of the Company. The original discount associated with the Brainlab Note represented the difference between the fair value and the principal amount of the note at the time the note was modified in March 2013. The unamortized discount at September 30, 2015 and December 31, 2014 was \$118,342 and \$271,305, respectively. The discount is being amortized to interest expense using the effective interest method over the term of the Brainlab Note.

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2014 Junior Secured 12% Notes Payable

In March 2014, the Company entered into securities purchase agreements for the private placement of (i) second-priority secured non-convertible promissory notes (the “2014 Secured Notes”) and (ii) warrants to purchase 0.3 shares of the Company’s common stock for each dollar in principal amount of the 2014 Secured Notes sold by the Company. Pursuant to those securities purchase agreements, the Company sold 2014 Secured Notes in a total aggregate principal amount of \$3,725,000, together with warrants to purchase up to 1,117,500 shares of common stock, for aggregate gross proceeds of \$3,725,000, before placement agent commissions and other expenses.

The 2014 Secured Notes have a five-year term and bear interest at a rate of 12% per year, payable semi-annually, in arrears, on each six-month and one-year anniversary of the issuance date. The 2014 Secured Notes are not convertible into shares of the Company’s common stock. Following the third anniversary of the issuance date, the 2014 Secured Notes may be prepaid, without penalty or premium, provided that all principal and unpaid accrued interest under all 2014 Secured Notes is prepaid at the same time. Prior to the third anniversary of the issuance date, the Company may prepay all, but not less than all, of the principal and unpaid accrued interest under the 2014 Secured Notes at any time, subject to the Company’s payment of the additional prepayment premium stated in the notes. The 2014 Secured Notes are collateralized by a security interest in the Company’s property and assets, which security interest is junior and subordinate to the security interest that collateralizes Brainlab note.

The warrants issued to the investors are exercisable, in full or in part, at any time prior to the fifth anniversary of the issuance date, at an exercise price of \$1.75 per share, subject to adjustment from time to time for stock splits or combinations, stock dividends, stock distributions, recapitalizations and other similar transactions. Assumptions used in calculating the fair value of the warrants using the Black-Scholes valuation model were:

Dividend yield	0%
Expected volatility	46.7% – 47.8%
Risk free interest rates	1.58% – 1.75%
Expected life (in years)	5.5 – 6.0

Under GAAP, the Company allocated the \$3,725,000 in proceeds proportionately between the 2014 Secured Notes and the warrants issued to investors based on their relative fair values, with \$413,057 being allocated to the fair value of the warrants, recorded as equity. The 2014 Secured Notes were recorded at the principal amount, less a discount equal to \$413,057. The unamortized discount at September 30, 2015 and December 31, 2014 was \$317,364 and \$369,299, respectively. This discount is being amortized to interest expense over the five year term of the 2014 Secured Notes using the effective interest method.

Non-employee directors of the Company purchased a total of \$1,100,000 of the 2014 Secured Notes, either directly or through a trust. The Company’s placement agents earned cash commissions of \$145,500 as well as warrants to purchase 72,750 shares of the Company’s common stock. The placement agent warrants have the same terms and conditions as the investor warrants. The placement agent cash commissions, the \$30,210 fair value of the placement agent warrants, and other offering expenses, aggregating \$76,186, were recorded as deferred financing costs and are classified as other assets. These deferred financing costs are being amortized to interest expense over the term of the 2014 Secured Notes using the effective interest method.

2010 Junior Secured Notes Payable

In November 2010, the Company issued units consisting of a junior secured note (the “2010 Secured Notes”) and one share of the Company’s common stock. An aggregate of 10,714,286 units were issued, and the Company received proceeds of \$3,000,000 representing the aggregate principal amount of the 2010 Secured Notes. The 2010 Secured Notes mature in November 2020, accrue interest at the rate of 3.5% per year, and are collateralized by a security interest in the assets of the Company, which security interest is junior and subordinate to the security interests that collateralize the Brainlab Note and the 2014 Secured Notes. All outstanding principal and interest on the 2010 Secured Notes will be due and payable in a single payment upon maturity.

Under GAAP, the Company allocated the \$3,000,000 in proceeds from the sale of the units between the 2010 Secured Notes and the shares of common stock based on their relative fair values, with the fair value of the notes being estimated based on an assumed market interest rate for notes of similar terms and risk, and the fair value of the Company’s common stock being estimated by management using a market approach, with input from a third-party valuation specialist. The allocation of such

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relative fair values resulted in \$2,775,300 being allocated to the value of the shares of common stock, which was recorded as equity. The 2010 Secured Notes were recorded at the principal amount of \$3,000,000, less a discount equal to \$2,775,300. The unamortized discount at September 30, 2015 and December 31, 2014 was \$2,582,256 and \$2,683,171, respectively. This discount is being amortized to interest expense over the 10-year term of the notes using the effective interest method.

Four then-officers of the Company purchased an aggregate of 882,726 units in the offering for \$247,164. In addition, three non-employee directors of the Company also purchased an aggregate of 567,203 units in the offering for \$158,816.

Scheduled Notes Payable Maturities

Scheduled principal payments with respect to notes payable are summarized as follows:

Years ending December 31,	
2015	—
2016	\$ 4,289,444
2017	—
2018	—
2019	3,725,000
Thereafter	3,000,000
Total scheduled principal payments	11,014,444
Less, unamortized discounts at September 30, 2015	(3,017,961)
	<u>\$ 7,996,483</u>

7. Stockholders' Equity

Authorized Shares

At the annual meeting of the Company's stockholders on June 4, 2015 (the "2015 Annual Meeting"), the Company's stockholders approved an amendment to the Company's Amended and Restated Certificate of Incorporation to increase the number of authorized shares of the Company's common stock to 200,000,000 shares.

Issuance of Common Stock in Lieu of Cash Payments

Under the terms of the Amended and Restated Non-Employee Director Compensation Plan, each non-employee member of the Company's Board of Directors may elect to receive all or part of his or her fees in shares of the Company's common stock. Director fees, whether paid in cash or in shares of common stock, are payable quarterly on the last day of each fiscal quarter. The number of shares of common stock issued to directors is determined by dividing the product of (a) the fees otherwise payable to each director in cash, times (b) the percentage of fees the director elected to receive in shares of common stock, by (c) the volume weighted average price per share of common stock over the last five trading days of the quarter. During the nine months ended September 30, 2015 and 2014, 128,598 shares and 97,573 shares, respectively, were issued to directors as payment for fees in lieu of cash.

Common Stock Warrants Requiring Liability Accounting

The net-cash settlement and down round provisions contained in warrants issued in a January 2013 financing transaction require derivative liability accounting treatment. Likewise, a down round provision contained in the terms of warrants issued by the Company in a July 2012 financing transaction also requires derivative liability accounting treatment. The fair value of all such warrants was calculated using the Monte Carlo simulation valuation method.

Assumptions used in calculating the fair value of the warrants at September 30, 2015 are noted below:

Dividend yield	0%
Expected volatility	45.51% – 46.50%
Risk free interest rates	0.448% – 0.685%
Expected remaining term (in years)	1.76 – 2.32

In addition to the assumptions above, the Company also takes into consideration whether it would participate in another round of equity financing and, if so, what the Company estimates the price would be for a share of its common stock at that time.

The fair values and the changes in fair values of the warrants accounted for as a derivative liability is reflected below:

Fair value at December 31, 2014	\$ 2,198,162
	(981,223)
Gain on change in fair value	
Fair value at September 30, 2015	<u>\$ 1,216,939</u>

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Stock Incentive Plans

The Company has various share-based compensation plans and share-based compensatory contracts (collectively, the “Plans”). The Plans provide for the granting of share-based awards, such as incentive and non-qualified stock options, to employees, directors, consultants and advisors, and certain of the Plans provide for cash-based awards. Awards may be subject to a vesting schedule as set forth in individual award agreements.

In June 2013, the Company’s stockholders approved the 2013 Incentive Compensation Plan, and at the 2015 Annual Meeting, the Company’s stockholders approved the adoption of the MRI Interventions, Inc. Amended and Restated 2013 Incentive Compensation Plan (the “Amended 2013 Plan”). The material change effected in the Amended 2013 Plan was to increase the number of shares of the Company’s common stock available for awards thereunder by 5,000,000 shares, resulting in a total of 6,250,000 shares of the Company’s common stock being reserved for issuance under the Amended 2013 Plan. Of this amount, grants of 2,504,667 shares were outstanding as of September 30, 2015. Accordingly, 3,755,333 shares remained available for grants under the Amended 2013 Plan as of that date.

In December 2013, the Company’s board of directors approved the 2013 Non-Employee Director Equity Incentive Plan (the “Director Equity Plan”). A total of 570,000 shares of the Company’s common stock are reserved for issuance under the Director Equity Plan. The shares reserved for issuance under the Director Equity Plan are intended to be used for stock options granted pursuant to the terms of the Company’s Non-Employee Director Compensation Plan (the “Director Compensation Plan”). As of September 30, 2015, awards for 435,000 shares had been issued under the Director Equity Plan. Accordingly, 155,000 shares remained available for awards under the Director Equity Plan as of that date. Should option grants pursuant to the Director Compensation Plan exceed the amount of shares available under the Director Equity Plan, the Company expects to continue granting such options under the terms of the Amended 2013 Plan described above.

As further discussed in Note 4, the Company, in April and May 2015, recorded \$492,926 of share-based compensation expense, classified as restructuring costs in the accompanying 2015 condensed consolidated statements of operations, related to the modification of the terms of options held by certain former officers. In addition, effective April 1, 2015, a member of the Company’s Board of Directors resigned. In recognition of the director’s contributions to the Company, the Company’s Board of Directors accelerated the vesting of two stock options previously awarded to the director and extended the exercise period through April 1, 2017 for all vested options held by the director. Prior to such extension, the exercise period under the options’ original terms was three months subsequent to the date the individual ceased to be a director of the Company. The Company revalued the director’s stock option based on the modified terms described above and recorded share-based compensation expense of \$12,005.

Activity under all of the Company’s equity compensation plans during the nine months ended September 30, 2015 is summarized below:

	Shares	Weighted - Average Exercise Price
Outstanding at December 31, 2014	10,343,309	\$ 1.36
Granted	2,216,500	0.80
Forfeited	(858,500)	1.50
Outstanding at September 30, 2015	<u>11,701,309</u>	<u>\$ 1.15</u>

The estimated grant date fair values of options granted during the nine months ended September 30, 2015 were calculated using the Black-Scholes valuation model, based on the following assumptions:

Dividend yield	0%
Expected volatility	46.67% to 59.49%
Risk free interest rates	1.48% to 1.80%
Expected lives (in years)	6.0

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The Company records share-based compensation expense on a straight-line basis over the related vesting period. For the periods indicated below, share-based compensation expense, which includes the expense associated with the modification of option terms discussed above and in Note 4, related to options was:

Three Months Ended September 30,	
2015	2014
\$ 268,880	\$ 192,001

Nine Months Ended September 30,	
2015	2014
\$ 1,421,198	\$ 555,909

As of September 30, 2015, there was unrecognized compensation expense of \$2,050,240 related to outstanding stock options, which is expected to be recognized over a weighted average period of approximately 2.20 years.

Warrants

Warrants have generally been issued for terms of up to five years. Common stock warrant activity for the nine months ended September 30, 2015 was as follows:

	Shares	Weighted - Average Exercise Price
Outstanding at December 31, 2014	20,759,136	\$ 0.91
Issued	35,000	1.00
Terminated	(25,444)	8.00
Outstanding at September 30, 2015	20,768,692	0.90

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 13. *Other Expenses of Issuance and Distribution*

We estimate that expenses in connection with the distribution described in this registration statement (other than brokerage commissions, discounts or other expenses relating to the sale of the shares by the selling stockholders) will be as set forth below. We will pay all of the expenses with respect to the distribution, and such amounts, with the exception of the Securities and Exchange Commission registration fee, are estimates.

	<u>Amount to be paid</u>
SEC registration fee	\$990
Accounting fees and expenses	\$10,000
Legal fees and expenses	\$50,000
Printing and related expenses	\$2,500
Total	\$63,490

Item 14. *Indemnification of Directors and Officers*

As permitted by Delaware law, we have adopted provisions in our certificate of incorporation and bylaws that limit or eliminate the personal liability of directors for a breach of their fiduciary duty of care as a director. The duty of care generally requires that, when acting on behalf of the corporation, a director exercise an informed business judgment based on all material information reasonably available to him or her. Consequently, a director will not be personally liable to us or our stockholders for monetary damages or breach of fiduciary duty as a director, except for liability for any:

- breach of the director's duty of loyalty to us or our stockholders;
- act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- act related to unlawful stock repurchases, redemptions or other distributions or payments of dividends; or
- transaction from which the director derived an improper personal benefit.

These limitations of liability do not limit or eliminate our rights or any stockholder's rights to seek non-monetary relief, such as injunctive relief or rescission. These provisions will not alter a director's liability under federal securities laws. Our certificate of incorporation also authorizes us to indemnify our officers, directors and other agents to the fullest extent permitted under Delaware law.

As permitted by Delaware law, our bylaws also provide that:

- we will indemnify our directors, officers, employees and other agents to the fullest extent permitted by law;
- we may advance expenses to our directors, officers, employees and other agents in connection with a legal proceeding to the fullest extent permitted by law; and
- the rights provided in our bylaws are not exclusive.

We believe that indemnification under our bylaws covers at least negligence and gross negligence on the part of indemnified parties. Our bylaws also permit us to secure insurance on behalf of any officer, director, employee or other agent for any liability arising out of his or her actions in connection with their services to us, regardless of whether our bylaws permit such indemnification. We have obtained such insurance.

In addition to the indemnification provided for in our certificate of incorporation and bylaws, we have entered into separate indemnification agreements with each of our directors and executive officers. These indemnification agreements may require us, among other things, to indemnify our directors and officers for some expenses, including attorneys' fees, judgments, fines and settlement amounts incurred by a director or officer in any action or proceeding arising out of his or her service as one of our directors or officers, or any of our subsidiaries or any other company or enterprise to which the person provides services at our request. We believe that these provisions and agreements are necessary to attract and retain qualified individuals to serve as directors and officers. There is no pending litigation or proceeding involving any of our directors or officers to which indemnification is required or permitted, and we are not aware of any threatened litigation or proceeding that may result in a claim for indemnification.

Reference is made to the following documents filed as exhibits to this registration statement regarding relevant indemnification provisions described above and elsewhere herein:

Item 15. *Recent Sales of Unregistered Securities*

The following sets forth information regarding all unregistered securities sold since December 31, 2012:

1. In January 2013, we raised \$11,042,020, before commissions and offering expenses, from the sale of 9,201,684 shares of our common stock and warrants to purchase 4,600,842 shares of our common stock to various investors in a private placement. The warrants we issued to the investors have a term of five years from the date of issuance and have an exercise price of \$1.75 per share. The placement agents for the financing earned aggregate commissions of \$1,104,202.

2. From July 2012 through November 2013, holders of warrants to purchase an aggregate of 2,040,326 shares of our common stock exercised their warrants. Of that aggregate number, warrants to purchase 1,222,500 shares of our common stock were exercised for cash, generating proceeds of \$113,975. The remaining warrants were exercised on a cashless basis, which resulted in the net issuance of 530,161 shares of our common stock. Therefore, we issued a total of 1,752,661 shares of our common stock upon exercise of warrants.

3. In June 2013, we issued an aggregate of 60,693 shares of common stock to eight non-employee directors under our Non-Employee Director Compensation Plan. These shares were issued in payment of compensation owed to the non-employee directors under that plan. The shares were issued at a price equal to the volume-weighted average price of our common stock for the five-trading day period ended June 28, 2013. The shares were subsequently registered under a registration statement on Form S-8 filed with the Securities and Exchange Commission on October 25, 2013.

4. In September 2013, we issued an aggregate of 24,760 shares of common stock to eight non-employee directors under our Non-Employee Director Compensation Plan. These shares were issued in payment of compensation owed to the non-employee directors under that plan. The shares were issued at a price equal to the volume-weighted average price of our common stock for the five-trading day period ended September 30, 2013. The shares were subsequently registered under a registration statement on Form S-8 filed with the Securities and Exchange Commission on October 25, 2013.

5. In January 2014, we issued 189,752 shares of common stock to a service provider in full payment and satisfaction of fees owed to the service provider in the amount of \$332,068.

6. In March 2014, we entered into securities purchase agreements for the private placement of: (1) 12% second-priority secured non-convertible promissory notes due 2019 (the "2014 Secured Notes"); and (2) warrants to purchase 0.3 share of the Company's common stock for each dollar in principal amount of 2014 Secured Notes sold by us. Pursuant to those securities purchase agreements, we sold 2014 Secured Notes in a total aggregate principal amount of \$3,625,000, together with warrants to purchase up to 1,087,500 shares of common stock, for aggregate gross proceeds of \$3,625,000, before expenses of approximately \$80,000 and placement agent commissions.

7. In December 2014, we raised \$10,175,550, before commissions and offering expenses, from the sale of 15,812,808 shares of our common stock and warrants to purchase 6,325,125 shares of our common stock to various

investors in a private placement. The warrants we issued to the investors have a term of five years from the date of issuance and have an exercise price of \$0.858 per share. The placement agent and its sub-placement agents for the financing received, in the aggregate, cash fees in the amount of \$710,825.04, as well as warrants to purchase up to 1,106,896 shares of our common stock at an exercise price of \$0.858 per share.

8. In December 2015, we raised \$5,294,000, before commissions and offering expenses, from the sale of 16,309,270 shares of our common stock, Series A Warrants to purchase 6,523,708 shares of our common stock and Series B Warrants to purchase 4,892,781 shares of our common stock to various investors in a private placement. The Series A Warrants we issued to the investors have a term of five years from the date of issuance and have an exercise price of \$0.4058 per share. The Series B Warrants we issued to the investors have a term of five years from the date of issuance and have an exercise price of \$0.5275 per share. The placement agent and its sub-placement agents for the financing received, in the aggregate, cash fees in the amount of \$380,155, as well as Placement Agent Warrants to purchase up to 1,630,920 shares of our common stock at an exercise price of \$0.4058 per share.

We claimed exemption from registration under the Securities Act for the sales and issuances of securities in the transactions described in paragraphs (1) through (8) by virtue of Section 4(a)(2) of the Securities Act and/or Rule 506 of Regulation D. Such sales and issuances did not involve any public offering, were made without general solicitation or advertising and each purchaser was a sophisticated investor with access to all relevant information necessary to evaluate the investment and represented to us that the shares were being acquired for investment.

Item 16. Exhibits and Financial Statement Schedules

(a) Exhibits

Exhibit Number	Exhibit Description	Incorporation by Reference			
		Form	SEC File No.	Exhibit	Filing Date
3.1	Amended and Restated Certificate of Incorporation	10-Q	000-54575	3.1	May 11, 2012
3.2	Certificate of Amendment to the Amended and Restated Certificate of Incorporation of MRI Interventions, Inc.	8-K	000-54575	3.1	June 8, 2015
3.3	Amended and Restated Bylaws	10-Q	000-54575	3.2	May 11, 2012
4.1	Reference is made to Exhibits 3.1 and 3.2				
4.2	Specimen of Common Stock Certificate	10-Q	000-54575	4.2	November 14, 2014
4.3	Amended and Restated Subordinated Secured Note Due 2016 issued to Brainlab AG	8-K	000-54575	4.1	March 7, 2013
4.4	Form of Junior Secured Promissory Note Due 2020, as amended by that certain Omnibus Amendment dated as of April 5, 2011, as further amended by that certain Second Omnibus Amendment dated as of October 14, 2011	10	000-54575	4.4	December 28, 2011
4.5	Third Omnibus Amendment to the Junior Secured Promissory Notes Due 2020, dated March 25, 2014	S-1	333-201471	4.5	January 13, 2015
4.6	Form of Warrant issued to purchasers in the July 2012 private placement to purchase shares of common stock of MRI Interventions, Inc.	8-K	000-54575	4.1	July 6, 2012

4.7	Form of Warrant issued to purchasers in the January 2013 private placement to purchase shares of common stock of MRI Interventions, Inc.	8-K	000-54575	4.1	January 22, 2013
4.8	Form of 12% Second-Priority Secured Non-Convertible Promissory Note Due 2019 issued in March 2014 private offering	8-K	000-54575	4.1	March 10, 2014
4.9	Form of Warrant to Purchase Common Stock issued in March 2014 private offering	8-K	000-54575	4.2	March 10, 2014
4.10	Form of Warrant to Purchase Common Stock issued in December 2014 private offering	8-K	000-54575	4.1	December 19, 2014
4.11	Form of Series A Warrant to Purchase Common Stock issued in 2015 private offering	8-K	000-54575	4.1	December 15, 2015
4.12	Form of Series B Warrant to Purchase Common Stock issued in 2015 private offering	8-K	000-54575	4.2	December 15, 2015
5.1*	Opinion of Baker, Donelson, Bearman, Caldwell & Berkowitz, PC				
10.1†	Master Security Agreement dated April 5, 2011 by and between SurgiVision, Inc. and Brainlab AG	10	000-54575	10.18	December 28, 2011
10.2	Security Agreement by and between MRI Interventions, Inc. and Landmark Community Bank, in its capacity as collateral agent, dated as of March 25, 2014	S-1	333-201471	10.2	January 13, 2015
10.3	Junior Security Agreement by and between SurgiVision, Inc. and Landmark Community Bank, in its capacity as collateral agent, dated as of November 5, 2010, as amended by that certain First Amendment dated April 5, 2011, and as further amended by that certain Second Amendment dated October 14, 2011	10	000-54575	10.6	December 28, 2011
10.4	Third Amendment to Junior Security Agreement by and between MRI Interventions, Inc and Landmark Community Bank, in its capacity as collateral agent, dated March 25, 2014	S-1	333-201471	10.4	January 13, 2015
10.5†	License Agreement by and between SurgiVision, Inc. and The Johns Hopkins University entered into on or around June 20, 1998, as amended by that certain Amendment to License Agreement dated as of January 15, 2000, and as further amended by that certain Addendum to License Agreement entered into on or around December 7, 2004	10	000-54575	10.9	December 28, 2011
10.6†	License Agreement by and between SurgiVision, Inc. and The Johns Hopkins University entered into on or around December 7, 2006	10	000-54575	10.10	December 28, 2011
10.7†	License Agreement by and between SurgiVision, Inc. and The Johns Hopkins University entered into on or around June 30, 2008	10	000-54575	10.21	December 28, 2011

10.8†	Technology License Agreement dated as of December 30, 2005 by and between SurgiVision, Inc. and Boston Scientific Neuromodulation Corporation (formerly known as Advanced Bionics Corporation), as amended by that certain Omnibus Amendment dated June 30, 2007, as further amended by that certain Omnibus Amendment #2 dated March 19, 2008	10	000-54575	10.11	March 15, 2012
10.9†	System and Lead Development and Transfer Agreement dated as of December 30, 2005 by and between SurgiVision, Inc. and Boston Scientific Neuromodulation Corporation (formerly known as Advanced Bionics Corporation), as amended by that certain Amendment No. 1 dated May 31, 2006, as further amended by that certain Omnibus Amendment dated June 30, 2007, as further amended by that certain Omnibus Amendment #2 dated March 19, 2008	10	000-54575	10.12	March 15, 2012
10.10†	Omnibus Amendment No. 3 to Technology License Agreement and System and Lead Development and Transfer Agreement effective February 2, 2012, between MRI Interventions, Inc. and Boston Scientific Neuromodulation Corporation	10	000-54575	10.38	March 15, 2012
10.11†	Omnibus Amendment No. 4 to Technology License Agreement and System and Lead Development and Transfer Agreement, between MRI Interventions, Inc. and Boston Scientific Neuromodulation Corporation, effective March 19, 2014	10-Q/A	000-54575	10.5	August 29, 2014
10.12†	Technology License Agreement dated as of March 19, 2008 by and between SurgiVision, Inc. and Cardiac Pacemakers, Inc.	10	000-54575	10.13	December 28, 2011
10.13†	Omnibus Amendment No. 1 to Technology License Agreement and Development Agreement between MRI Interventions, Inc. and Cardiac Pacemakers, Inc., dated March 19, 2014	10-Q/A	000-54575	10.4	August 29, 2014
10.14†	Development Agreement dated as of March 19, 2008 by and between SurgiVision, Inc. and Cardiac Pacemakers, Inc.	10	000-54575	10.14	December 28, 2011
10.15†	Asset Purchase Agreement dated March 19, 2014 between MRI Interventions, Inc. and Boston Scientific Neuromodulation Corporation	10-Q/A	000-54575	10.2	August 29, 2014
10.16†	Exclusive License Agreement dated March 19, 2014 between MRI Interventions, Inc. and Boston Scientific Neuromodulation Corporation	10-Q/A	000-54575	10.3	August 29, 2014
10.17†	Development Agreement between MRI Interventions, Inc. and Siemens Medical Solutions USA, Inc.	10-Q/A	000-54575	10.1	August 29, 2014
10.18†	Co-Development and Distribution Agreement dated as of April 5, 2011 by and between SurgiVision, Inc. and Brainlab AG, as amended by that certain First Amendment dated as of July 18, 2011	10	000-54575	10.17	March 15, 2012

10.19	Second Amendment to Co-Development and Distribution Agreement, dated March 6, 2013, between MRI Interventions, Inc. and Brainlab AG	8-K	000-54575	10.1	March 7, 2013
10.20†	Master Services and Licensing Agreement dated as of July 20, 2007 by and between SurgiVision, Inc. and Cedara Software Corp., as amended by that certain First Amendment dated January 18, 2011	10	000-54575	10.2	March 15, 2012
10.21†	Second Amendment to the Master Services and Licensing Agreement, dated as of June 22, 2012, by and between Merge Healthcare Canada Corp. and MRI Interventions, Inc.	8-K	000-54575	10.1	June 26, 2012
10.22†	Third Amendment to the Master Services and Licensing Agreement, dated as of July 28, 2013, by and between Merge Healthcare Canada Corp. and MRI Interventions, Inc.	10-Q	000-54575	10.56	August 14, 2013
10.23	Lease Agreement, dated as of April 21, 2008, by and between Shaw Investment Company, LLC and Surgi-Vision, Inc., as amended by that certain Amendment to Lease dated January 20, 2011, as further amended by that certain Amendment to Lease dated March 26, 2012	10-Q	000-54575	10.27	May 11, 2012
10.24	Second Amendment to Lease Agreement dated as of February 24, 2015, by and between Shaw Investment Company, LLC and MRI Interventions, Inc.	10-K	000-54575	10.24	March 17, 2015
10.25	Form of Securities Purchase Agreement by and among MRI Interventions, Inc. and the investors party thereto with respect to January 2013 private offering	8-K	000-54575	10.1	January 22, 2013
10.26	Form of Registration Rights Agreement by and among MRI Interventions, Inc. and the investors party thereto	8-K	000-54575	10.2	January 22, 2013
10.27	Form of Securities Purchase Agreement by and among MRI Interventions, Inc. and the investors party thereto with respect to March 2014 private offering	8-K	000-54575	10.1	March 10, 2014
10.28	Form of Securities Purchase Agreement by and among MRI Interventions, Inc. and the investors party thereto with respect to December 2014 private offering	8-K	000-54575	10.1	December 19, 2014
10.29	Form of Registration Rights Agreement by and among MRI Interventions, Inc. and the investors party thereto	8-K	000-54575	10.2	December 19, 2014
10.30	Form of Securities Purchase Agreement by and among MRI Interventions, Inc. and the investors party thereto with respect to December 2015 private offering	8-K	000-54575	10.1	December 15, 2015
10.31	Form of Registration Rights Agreement by and among MRI Interventions, Inc. and the investors party thereto	8-K	000-54575	10.2	December 15, 2015
10.32+	2007 Stock Incentive Plan	10	000-54575	10.2	December 28, 2011
10.33+	2007 Stock Incentive Plan Form of Incentive Stock Option Agreement	10-K	000-54575	10.26	March 28, 2014

10.34+	2007 Stock Incentive Place Form of Non-Qualified Stock Option Agreement	10-K	000-54575	10.27	March 28, 2014
10.35+	2010 Incentive Compensation Plan	10	000-54575	10.4	December 28, 2011
10.36+	2010 Non-Qualified Stock Option Plan	10	000-54575	10.5	December 28, 2011
10.37+	2010 Non-Qualified Stock Option Plan Form of Non-Qualified Stock Option Agreement	10-K	000-54575	10.3	March 28, 2014
10.38+	2010 Non-Qualified Stock Option Plan Form of Non-Qualified Stock Option Agreement for Non-Employee Directors	10-K	000-54575	10.31	March 28, 2014
10.39+	MRI Interventions, Inc. 2012 Incentive Compensation Plan	10	000-54575	10.34	February 9, 2012
10.40+	MRI Interventions, Inc. 2012 Incentive Compensation Plan Form of Incentive Stock Option Agreement	10	000-54575	10.35	February 9, 2012
10.41+	MRI Interventions, Inc. 2012 Incentive Compensation Plan Form of Non-Qualified Stock Option Agreement	10	000-54575	10.36	February 9, 2012
10.42+	MRI Interventions, Inc. 2012 Incentive Compensation Plan Form of Non-Qualified Incentive Stock Option Agreement for Non-Employee Directors	10-K	000-54575	10.35	March 28, 2014
10.43+	MRI Interventions, Inc. Amended and Restated 2013 Incentive Compensation Plan	Schedule 14A	000-54575	B	April 17, 2015
10.44+	MRI Interventions, Inc. 2013 Incentive Compensation Plan Form of Incentive Stock Option Agreement	10-Q	000-54575	10.53	August 14, 2013
10.44+	MRI Interventions, Inc. 2013 Incentive Compensation Plan Form of Non-Qualified Stock Option Agreement	10-Q	000-54575	10.54	August 14, 2013
10.45+	MRI Interventions, Inc. 2013 Incentive Compensation Plan Form of Non-Qualified Stock Option Agreement for Non-Employee Directors	10-Q	000-54575	10.55	August 14, 2013
10.46+	MRI Interventions, Inc. 2013 Non-Employee Director Equity Incentive Plan	8-K	000-54575	10.1	December 6, 2012
10.47+	MRI Interventions, Inc. 2013 Non-Employee Director Equity Incentive Plan Form of Non-Qualified Stock Option Agreement	10-K	000-54575	10.41	March 28, 2014
10.48+	MRI Interventions, Inc. Non-Employee Director Compensation Plan	8-K	000-54575	10.2	June 14, 2013
10.49+	Form of Indemnification Agreement	10	000-54575	10.8	December 28, 2011
10.50+	Employment Agreement, dated as of September 9, 2014, by and between Francis P. Grillo and MRI Interventions, Inc.	8-K	000-54575	10.1	September 11, 2014
10.51+	Employment Offer Letter between MRI Interventions, Inc. and Harold A. Hurwitz	10-Q	000-54575	10.1	May 7, 2015
10.52+	Non-Competition Agreement between Harold A. Hurwitz and MRI Interventions, Inc.	10-Q	000-54575	10.2	May 7, 2015

10.53+	Non-Disclosure and Proprietary Rights Agreement between Harold A. Hurwitz and MRI Interventions, Inc.	10-Q	000-54575	10.3	May 7, 2015
10.54+	Consulting Agreement dated April 1, 2015 between MRI Interventions, Inc. and Kimble L. Jenkins	10-Q	000-54575	10.4	May 7, 2015
10.55+	Omnibus Amendment dated April 1, 2015 between MRI Interventions, Inc. and Kimble L. Jenkins	10-Q	000-54575	10.5	May 7, 2015
10.56+	Employment Agreement, dated as of November 10, 2012, by and between Robert C. Korn and MRI Interventions, Inc.	S-1	333-186573	10.47	February 11, 2013
10.57+	Employment Agreement, dated as of September 12, 2014, by and between David W. Carlson and MRI Interventions, Inc.	8-K	000-54575	10.1	September 12, 2014
10.58+	Employment Agreement, dated as of September 12, 2014, by and between Oscar L. Thomas and MRI Interventions, Inc.	S-1	333-201471	10.53	January 13, 2015
10.59+	Second Amended and Restated Key Personnel Incentive Program	10-Q	000-54575	10.3	August 14, 2013
10.60+	Second Amended and Restated Key Personnel Incentive Award Agreement, dated June 13, 2013, by and between MRI Interventions, Inc. and Paul A. Bottomley	10-Q	000-54575	10.31	August 14, 2013
10.61+	Amended and Restated Key Personnel Incentive Award Agreement, dated June 13, 2013, by and between MRI Interventions, Inc. and Paul A. Bottomley	10-Q	000-54575	10.32	August 14, 2013
10.62+	Second Amended and Restated Key Personnel Incentive Award Agreement, dated June 13, 2013, by and between MRI Interventions, Inc. and Parag V. Karmarkar	10-Q	000-54575	10.33	August 14, 2013
10.63+	SurgiVision, Inc. Cardiac EP Business Participation Plan	10	000-54575	10.29	December 28, 2011
10.64+	Cardiac EP Business Participation Plan Award Agreement, dated June 3, 2010, by and between SurgiVision, Inc. and Nassir F. Marrouche	10	000-54575	10.30	December 28, 2011
10.65+	Non-Qualified Stock Option Agreement, effective as of November 10, 2012, granted by MRI Interventions, Inc. to Robert C. Korn	S-8	333-191908	99.3	October 25, 2013
10.66+	Non-Qualified Stock Option Agreement, effective as of December 5, 2013, granted by MRI Interventions, Inc. to Parag Karmarkar	10-K	000-54575	10.56	March 28, 2014
10.67+	Non-Qualified Stock Option Agreement, effective as of December 5, 2013, granted by MRI Interventions, Inc. to Paul A. Bottomley	10-K	000-54575	10.57	March 28, 2014
10.68+	Non-Qualified Stock Option Agreement, effective as of October 6, 2014, granted by MRI Interventions, Inc. to Francis P. Grillo	S-1	333-201471	10.63	January 13, 2015
10.69+	Non-Qualified Stock Option Agreement, effective as of November 10, 2014, granted by MRI Interventions, Inc. to Robert C. Korn	S-1	333-201471	10.64	January 13, 2015

10.70+	Non-Qualified Stock Option Agreement, effective as of December 1, 2014, granted by MRI Interventions, Inc. to Wendelin C. Maners	S-1	333-201471	10.65	January 13, 2015
10.71+	Non-Qualified Stock Option Agreement, effective as of March 30, 2015 granted by MRI Interventions, Inc. to Harold A. Hurwitz	10-Q	000-54575	10.1	June 30, 2015
23.1*	Consent of Cherry Bekaert LLP				
23.2	Consent of Baker, Donelson, Bearman, Caldwell & Berkowitz, PC (included in Exhibit 5.1)				
24.1*	Power of Attorney (included on the signature pages hereto)				
31.1*	Certification of Chief Executive Officer Pursuant to Rule 13a-14(a) Under the Securities Exchange Act of 1934				
31.2*	Certification of Chief Financial Officer Pursuant to Rule 13a-14(a) Under the Securities Exchange Act of 1934				
32++	Certification of Chief Executive Officer and Chief Financial Officer Pursuant to Rule 13a-14(b) Under the Securities Exchange Act of 1934 and Section 1350 of Chapter 60 of Title 18 of the United States Code				
101.INS*	XBRL Instance				
101.SCH*	XBRL Taxonomy Extension Schema				
101.CAL*	XBRL Taxonomy Extension Calculation				
101.DEF*	XBRL Taxonomy Extension Definition				
101.LAB*	XBRL Taxonomy Extension Labels				
101.PRE*	XBRL Taxonomy Extension Presentation				

* Filed herewith.

† Confidential treatment granted under Rule 24b-2 under the Securities Exchange Act of 1934. The confidential portions of this exhibit have been omitted and are marked accordingly. The confidential portions have been filed separately with the Securities and Exchange Commission pursuant to the request for confidential treatment.

+ Indicates management contract or compensatory plan.

Item 17. Undertakings

The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement to:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act.

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to securities offered therein, and the offering of the securities at that time shall be deemed to be the initial bona fide offering thereof;

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering;

(4) That, for the purpose of determining liability under the Securities Act to any purchaser, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, MRI Interventions, Inc. has duly caused this Registration Statement on Form S-1 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Irvine, State of California, on the 15th day of January, 2016.

MRI Interventions, Inc.

By: /s/ Francis P. Grillo

Francis P. Grillo
Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Mr. Francis P. Grillo and Mr. Harold A. Hurwitz, and each of them, his true and lawful attorneys-in-fact and agents with full power of substitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to sign any registration statement for the same offering covered by the registration statement that is to be effective upon filing pursuant to Rule 462(b) promulgated under the Securities Act, and all post-effective amendments thereto, and to file the same, with all exhibits thereto and all documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or his or their substitute or substitutes, may lawfully do or cause to be done or by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Francis P. Grillo</u> Francis P. Grillo	<i>President and Chief Executive Officer</i> <i>(Principal Executive Officer)</i>	January 15, 2016
<u>/s/ Harold A. Hurwitz</u> Harold A. Hurwitz	<i>Chief Financial Officer and Corporate Secretary</i> <i>(Principal Financial Officer and Principal Accounting Officer)</i>	January 15, 2016
<u>/s/ Kimble L. Jenkins</u> Kimble L. Jenkins	<i>Chairman and Director</i>	January 15, 2016
<u>/s/ Pascal E.R. Girin</u> Pascal E.R. Girin	<i>Director</i>	January 15, 2016
<u>/s/ Charles E. Koob</u> Charles E. Koob	<i>Director</i>	January 15, 2016
<u>/s/ Philip A. Pizzo</u> Philip A. Pizzo	<i>Director</i>	January 15, 2016

<u>/s/ Timothy T. Richards</u> Timothy T. Richards	<i>Director</i>	January 15, 2016
<u>/s/ Andrew K. Rooke</u> Andrew K. Rooke	<i>Director</i>	January 15, 2016
<u>/s/ Maria Sainz.</u> Maria Sainz	<i>Director</i>	January 15, 2016
<u>/s/ John N. Spencer, Jr.</u> John N. Spencer, Jr.	<i>Director</i>	January 15, 2016

January 15, 2016

MRI Interventions, Inc.
5 Musick
Irvine, California 92618

Re: Securities Being Registered on Form S-1

Ladies and Gentlemen:

You have requested our opinion in connection with the filing by MRI Interventions, Inc., a Delaware corporation (the "Company"), of a Registration Statement on Form S-1 (the "Registration Statement") with the Securities and Exchange Commission (the "Commission"), including a related prospectus made part of the Registration Statement (the "Prospectus"), covering the offering by the selling securityholders identified in the Prospectus for resale of 16,309,270 issued and outstanding shares (the "Issued Shares") of common stock, par value \$0.01 per share, of the Company ("Common Stock") and 13,047,409 shares (the "Warrant Shares") of Common Stock that are issuable upon the exercise of outstanding Series A Warrants, Series B Warrants and Placement Agent Warrants (the "Warrants").

In connection with our representation of the Company, and as a basis for the opinion hereinafter set forth, we have examined originals, or copies certified or otherwise identified to our satisfaction, of the following documents (hereinafter collectively referred to as the "Documents"):

1. The Registration Statement;
 2. The Prospectus;
 3. The Amended and Restated Certificate of Incorporation of the Company (the "COI");;
 4. The Amended and Restated Bylaws of the Company;
 5. The form of Series A Warrant;
 6. The form of Series B Warrant;
 7. The form of Placement Agent Warrant
 8. Resolutions adopted by the Board of Directors of the Company and its Pricing Committee relating to the Issued Shares and the Warrant Shares, certified as of a recent date by the Secretary of the Company;
 9. A certificate of the Secretary of State of the State of Delaware as to the good standing of the Company, dated as of a recent date; and
-

10. Such other documents and matters as we have deemed necessary or appropriate to express the opinion set forth in this letter, subject to the assumptions, limitations and qualifications stated herein.

In expressing the opinion set forth below, we have assumed, and so far as is known to us there are no facts inconsistent with, the following:

1. Each individual executing any of the Documents, whether on behalf of such individual or another person, is legally competent to do so.

2. Each individual executing any of the Documents on behalf of a party (other than the Company) is duly authorized to do so.

3. Each of the parties (other than the Company) executing any of the Documents has duly and validly executed and delivered each of the Documents to which such party is a signatory, and such party's obligations set forth therein are legal, valid and binding and are enforceable in accordance with all stated terms.

4. All Documents submitted to us as originals are authentic. All Documents submitted to us as certified or photostatic copies conform to the original documents. All signatures on all such Documents are genuine. All public records reviewed or relied upon by us or on our behalf are true and complete. All statements and information contained in the Documents are true and complete. There has been no oral or written modification or amendment to the Documents, or waiver of any of the provision of any of the Documents, by action or omission of the parties or otherwise.

The opinion set forth below is limited to the General Corporation Law of the State of Delaware (including applicable rules and regulations promulgated under the Delaware General Corporation Law and applicable reported judicial and regulatory determinations interpreting the Delaware General Corporation Law).

Based upon the foregoing, we are of the opinion that:

1. The Company is a corporation duly incorporated and existing under and by virtue of the laws of the State of Delaware and is in good standing with the Secretary of State for the State of Delaware.

2. The Issued Shares are validly issued, fully paid and nonassessable.

3. The Warrant Shares, when issued and paid for in accordance with the terms of the Warrants, will be validly issued, fully paid and nonassessable.

We hereby consent to the inclusion of this opinion as Exhibit 5.1 to the Registration Statement and to the use of our name wherever appearing in the Registration Statements. In giving our consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations thereunder.

The opinions set forth herein are expressed as of the date hereof and we disclaim any undertaking to advise you of any changes which may subsequently be brought to our attention in the facts or the law upon which such opinions are based.

This opinion is being furnished to you for submission to the Commission as an exhibit to the Registration Statement.

Very truly yours,

BAKER, DONELSON, BEARMAN, CALDWELL &
BERKOWITZ, a professional corporation

By: /s/ Richard F. Mattern
Richard F. Mattern
Authorized Representative

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the reference of our firm under the caption “Experts” in this Registration Statement of MRI Interventions, Inc. (the “Company”), and to the inclusion of our report dated March 17, 2015, relating to the Company’s financial statements as of and for the years ended December 31, 2014 and 2013, in this Registration Statement.

/s/ Cherry Bekaert LLP

Charlotte, North Carolina

January 15, 2016