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**SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, D.C. 20549

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**SCHEDULE 13G**

(Rule 13d-102)

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2**

(Amendment No. 1)\*

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**MRI Interventions, Inc.**

(Name of Issuer)

**Common Stock**  
(Title of Class of Securities)

**55347P209**  
(CUSIP Number)

**December 31, 2017**  
(Date of Event Which Requires Filing of this Statement)

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Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

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\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, *see* the *Notes*).

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1.	NAMES OF REPORTING PERSONS	
	Thomas A. Satterfield, Jr.	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION	
	United States of America	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER
		50,000
	6.	SHARED VOTING POWER
		550,000
	7.	SOLE DISPOSITIVE POWER
		50,000
	8.	SHARED DISPOSITIVE POWER
		550,000
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	600,000	
10.	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
	<input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9	
	5.8%*	
12.	TYPE OF REPORTING PERSON	
	IN	

\* Based on 10,401,115 shares of Common Stock of the issuer outstanding as of November 1, 2017, as reported by the issuer in its Quarterly Report on Form 10-Q for the quarter ended September 30, 2017, filed with the Securities and Exchange Commission on November 6, 2017.

SCHEDULE 13G**Item 1.**

- (a) **Name of Issuer:**  
MRI Interventions, Inc.
- (b) **Address of Issuer's Principal Executive Offices:**  
5 Musick  
Irvine, CA 92618

**Item 2.**

- (a) **Name of Person Filing:**  
Thomas A. Satterfield, Jr.
- (b) **Address of Principal Business Office or, if none, Residence:**  
Thomas A. Satterfield, Jr.  
2609 Caldwell Mill Lane  
Birmingham, Alabama 35243
- (c) **Citizenship:**  
Incorporated by reference from Item 4 of the Cover Page.
- (d) **Title of Class of Securities:**  
Incorporated by reference from the Cover Page.
- (e) **CUSIP Number:**  
Incorporated by reference from the Cover Page.

- Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or §§ 240.13d-2(b) or (c), check whether the person filing is a:**  
Not Applicable.

**Item 4. Ownership.**

- (a) Amount beneficially owned:  
Incorporated by reference from Item 9 of the Cover Page.
- (b) Percent of class:  
Incorporated by reference from Item 11 of the Cover Page.

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote  
Incorporated by reference from Item 5 of the Cover Page.
  - (ii) Shared power to vote or to direct the vote  
Incorporated by reference from Item 6 of the Cover Page.
  - (iii) Sole power to dispose or to direct the disposition of  
Incorporated by reference from Item 7 of the Cover Page.
  - (iv) Shared power to dispose or to direct the disposition of  
Incorporated by reference from Item 8 of the Cover Page.

**Item 5. Ownership of Five Percent or Less of a Class.**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following [    ].

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

With respect to the beneficial ownership reported for Thomas A. Satterfield, Jr., 100,000 shares are held by Tomsat Investment & Trading Co., Inc., a corporation wholly owned by Mr. Satterfield and of which he serves as President; 200,000 shares are held by Caldwell Mill Opportunity Fund, which fund is managed by an entity of which Mr. Satterfield owns a 50% interest and serves as Chief Investment Manager; and 250,000 shares are held by A.G. Family L.P., a limited partnership with respect to which Mr. Satterfield has a limited power of attorney for voting and disposition purposes but that has the right to receive or the power to direct the receipt of the proceeds from the sale of its shares.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.**

Not Applicable.

**Item 8. Identification and Classification of Members of the Group.**

Not Applicable.

**Item 9. Notice of Dissolution of Group.**

Not Applicable.

**Item 10. Certifications.**

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

January 12, 2018

\_\_\_\_\_ Date

/s/ Thomas A. Satterfield, Jr.

\_\_\_\_\_ Thomas A. Satterfield, Jr.