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

**Post-Effective Amendment** to FORM S-1

REGISTRATION STATEMENT **UNDER** THE SECURITIES ACT OF 1933

## MRI INTERVENTIONS, INC.

(Exact name of registrant as specified in its charter)

Delaware	3841	58-2394628
(State or other jurisdiction of	(Primary Standard Industrial	(I.R.S. Employer
incorporation or organization)	Classification Code Number)	Identification No.)
	5 Musick	
	Irvine, California 92618	
(Address including zin code a	(949) 900-6833 and telephone number, including area code, of registran	t's principal executive office)
(Hamiless, Methaning 21p coure, a		s principal electricity (gyrec)
	Harold A. Hurwitz	
	Chief Financial Officer	
	MRI Interventions, Inc. 5 Musick	
	Irvine, California 92618	
	(949) 900-6833	
(Name, address, includi	ing zip code, and telephone number, including area code	c, of agent for service)
	Copies to:	
	Richard F. Mattern, Esq.	
Bal	ker, Donelson, Bearman, Caldwell & Berkowitz,	PC
	165 Madison Avenue, Suite 2000	
	Memphis, TN 38103 (901) 577-2343	
	(701) 377-2343	
	nent of proposed sale to the public: This post-effective remain unsold under Registration Statement No. 33	
If any of the securities being registe the Securities Act of 1933, check the following	ared on this Form are to be offered on a delayed or cong box. $\square$	continuous basis pursuant to Rule 415 under
	ional securities for an offering pursuant to Rule 462 registration statement number of the earlier effective	
	ndment filed pursuant to Rule 462(c) under the Secunder of the earlier effective registration statement for	
	ndment filed pursuant to Rule 462(d) under the Sect	
the Securities Act registration statement num	ber of the earlier effective registration statement fo	r the same offering. $\square$
	registrant is a large accelerated filer, an accelerated arge accelerated filer," "accelerated filer" and "small	
Large Accelerated filer □		Accelerated filer
e e e e e e e e e e e e e e e e e e e	k if a smaller reporting company)	Smaller reporting company

## **DEREGISTRATION OF SECURITIES**

On January 13, 2015, MRI Interventions, Inc. (the "Company") filed with the Securities and Exchange Commission (the "SEC") a registration statement (the "Registration Statement") on Form S-1 (Registration No. 333-201471), which was initially declared effective by the SEC on January 26, 2015. The Registration Statement registered resales by the selling securityholders identified in the prospectus included in the Registration Statement of 22,885,855 shares of common stock of the Company, consisting of 15,556,398 outstanding shares of common stock and 7,329,457 shares of common stock issuable upon the exercise of outstanding warrants.

The Company has no further obligation to maintain effectiveness of the Registration Statement. In accordance with an undertaking made by the Company in the Registration Statement to remove by means of a post-effective amendment any securities that remain unsold at the termination of the offering, this Post-Effective Amendment is being filed to terminate the effectiveness of the Registration Statement and to remove from registration all securities registered but not sold under the Registration Statement.

## **SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Company has duly caused this Post-Effective Amendment to the Registration Statement to be signed on its behalf by the undersigned, hereunto duly authorized.

Date: January 15, 2016 MRI INTERVENTIONS, INC.

By: /s/ Harold A. Hurwitz

Harold A. Hurwitz Chief Financial Officer

Note: no other person is required to sign this Post-Effective Amendment in reliance on Rule 478 of the Securities Act of 1933, as amended.