

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

FORM 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES
PURSUANT TO SECTION 12(b) OR (g) OF THE
SECURITIES EXCHANGE ACT OF 1934

MRI INTERVENTIONS, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State of incorporation or organization) 58-2394628

(I.R.S. Employer Identification No.)

5 Musick, Irvine, California

(Address of principal executive offices) 92618

(Zip Code)

Securities to be registered pursuant to Section 12(b) of the Act:

Title of each class to be so registered	Name of each exchange on which each class is to be registered
<u>Common Stock, par value \$0.01 per share</u>	<u>The NASDAQ Stock Market LLC</u>
_____	_____
_____	_____

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.

Securities Act registration statement file number to which this form relates: 333-211647 (if applicable)

Securities to be registered pursuant to Section 12(g) of the Act:

None
(Title of class)

INFORMATION REQUIRED IN REGISTRATION STATEMENT

Item 1. Description of Registrant's Securities to be Registered.

This registration statement relates to the registration with the Securities and Exchange Commission (the "Commission") of shares of common stock, par value \$0.01 per share (the "Common Stock"), of MRI Interventions, Inc., a Delaware corporation (the "Registrant"). The description of the Common Stock set forth under the caption of "Description of Capital Stock" in the Registrant's Registration Statement on Form S-1 (File No. 333-211647) initially filed with the Commission on May 26, 2016, and as subsequently amended (the "Registration Statement"), is incorporated herein by this reference in response to this Item 1. In addition, the description set forth under "Description of Capital Stock" included in the form of prospectus relating to the Registration Statement subsequently filed by the Registrant with the Commission pursuant to Rule 424(b) under the Securities Act of 1933, as amended, is incorporated herein by this reference in response to this Item 1.

Item 2. Exhibits.

Pursuant to the Instructions as to Exhibits with respect to Form 8-A, no exhibits are required to be filed because no other securities of the Registrant are registered on The NASDAQ Stock Market LLC, and the securities registered hereby are not being registered pursuant to Section 12(g) of the Securities Exchange Act of 1934.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the Registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

Dated: July 6, 2016

MRI INTERVENTIONS, INC.

By: /s/ Harold A. Hurwitz

Name: Harold A. Hurwitz

Title: Chief Financial Officer