

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 92618
(Address of principal executive offices)

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

Common Stock, par value \$0.01 per share

The Nasdaq Stock Market LLC

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: Not 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. 333-218960) initially filed with the Commission on June 26, 2017, and as subsequently amended (the "Registration Statement"), is incorporated herein by this reference in response to this Item 1. In addition, any description of such securities in a 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, shall be incorporated by reference herein.

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: December 6, 2019

MRI INTERVENTIONS, INC.

By: /s/ Harold A. Hurwitz

Harold A. Hurwitz, Chief Financial Officer