### FORM 3

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)								
1. Name and Address of Reporting Person * KOOB CHARLES E	2. Date of Event Requiring Statement (Month/Day/Year) 02/27/2012	3. Issuer Name <b>and</b> Ticker or Trading Symbol MRI INTERVENTIONS, INC. [NONE]						
(Last) (First) (Middle) C/O MRI INTERVENTIONS, INC., ONE COMMERCE SQUARE, SUITE 2550	02/27/2012	Person(s) to (Check X Directo	all applicabl or 10% Owner	le) %	5. If Amendment, Date Original Filed(Month/Day/Year)			
(Street) MEMPHIS, TN 38103					6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City) (State) (Zip)	Table I - Non-Derivative Securities Beneficially Owned							
1.Title of Security (Instr. 4)	2. Amount Securities Owned (Instr. 4)	of Beneficially	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	Owne	4. Nature of Indirect Beneficial Ownership (Instr. 5)			
Common Stock	20,000		D (1)					
Common Stock	480,291		D					
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.  Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.  Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)								
		e and Amour		,	5.	6. Nature of		

1. Title of Derivative Security (Instr. 4)	Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		Conversion or Exercise	Ownership Form of Derivative	Beneficial Ownership
	Date Exercisable	Expiration Date		Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	(Instr. 5)

Warrants (right to buy)	<u>(2)</u>	09/14/2013	Common Stock	50,000	\$ 0.01	D	
Stock Option (right to buy)	<u>(2)</u>	09/16/2018	Common Stock	3,750	\$ 9.64	D	
Stock Option (right to buy)	<u>(2)</u>	11/08/2018	Common Stock	2,500	\$ 9.64	D	
Stock Option (right to buy)	<u>(2)</u>	12/10/2019	Common Stock	2,500	\$ 9.64	D	
Stock Option (right to buy)	<u>(3)</u>	12/13/2020	Common Stock	38,000	\$ 1.8	D	
Stock Option (right to buy)	<u>(4)</u>	12/13/2020	Common Stock	12,000	\$ 1.8	D	

#### **Reporting Owners**

Reporting Owner Name / Address		Relationships				
neporting Owner Name / Address	Director	10% Owner	Officer	Other		
KOOB CHARLES E C/O MRI INTERVENTIONS, INC. ONE COMMERCE SQUARE, SUITE 2550 MEMPHIS, TN 38103	Х					

### **Signatures**

/s/ Oscar Thomas, by power of attorney for Charles E. Koob	02/27/2012
Signature of Reporting Person	Date

#### **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Held jointly with wife.
- (2) The shares subject to this warrant are immediately exercisable.
  - One-third of the shares subject to this option vested on the first anniversary of the grant date, December 13, 2011. The remaining shares subject to this option vest ratably on the second and third anniversaries of the grant
- (3) 2011. The remaining shares subject to this option vest ratably on the second and third anniversaries of the grant date, December 13, 2012 and December 13, 2013.
  - The shares subject to this option vest ratably on the first, second and third anniversaries of the grant date,
- (4) December 13, 2011, December 13, 2012 and December 13, 2013, provided that no shares vest until such time as the company closes a target equity financing, which is defined as one or more equity financing transactions that results in cumulative gross proceeds of at least \$10 million.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.