### FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# Section 16. Form 4 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF or Form 5 SECURITIES

OMB APPROVAL
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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

(D.)	_		or Sect	ion 30(r	n) of the I	nvestm	ent	Compa	iny i	Act of 1940							
(Print or Type Responses)  1. Name and Address of Reporting Person - SPENCER JOHN N JR  (Last) (First) (Middle)			Issuer Name and Ticker or Trading Symbol     MRI INTERVENTIONS, INC.     [NONE]     3. Date of Earliest Transaction					lss	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)								
C/O MRI INTERVENTIONS, INC., ONE COMMERCE SQUARE, SUITE 2550				(Month/Day/Year)													
(Street) MEMPHIS, TN 38103			4. If Amendment, Date Original Filed(Month/Day/Year)					App	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 A						cquired, Disposed of, or Beneficially								
1.Title of Security (Instr. 3)	2. Transa Date (Month/D		any	n Date, if	3. Transacti Code (Instr. 8)	Dispo (Instr.	ired osec . 3, 4	ties I (A) or d of (D) 4 and 5)  (A) or	5. Se Be Ov Fo Re Tra	Amount of curities cheficially whed llowing eported ansaction(s) str. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)					
beneficiall	y owned dire	able II - D	erivative		ies Acquii	inform require curren red, Disp	atio ed to tly v	on contain o respon valid OM ed of, or E	ned d un B co Bene	to the collect in this form a cless the form ontrol numbe	are not n displays a r.	SEC 1474 (9-02)					
1. Title of Derivative Conversion Security (Instr. 3) Price of Derivative Security		3. Transaction Date		3A. Deemed Execution Date, if		4. 5. Number Transaction of Code Derivativ		ve es d	er 6. Date Exercisable and Expiration Date (Month/Day/Year) s		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)		10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
						Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$ 1	04/13	/2012			Α		45,000		(1)	04/13/2022	Common Stock	45,000	\$ 0	45,000	D	
•	rting O					Relation	nshi	ips		]							

Demantion Owner Name / Address	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		
SPENCER JOHN N JR C/O MRI INTERVENTIONS, INC. ONE COMMERCE SQUARE, SUITE 2550 MEMPHIS, TN 38103	Х					

### **Signatures**

/s/ Oscar Thomas, by power of attorney for John N. Spencer, Jr.	04/17/2012
-Signature of Reporting Person	Date

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

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4(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) The shares subject to this option vest ratably on the first, second and third anniversaries of the grant date, April 13, 2013, April 13, 2014 and April 13, 2015.

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.