FORM 4

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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

OMB APPROVAL								
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response	0.5							

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

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 1. Name and Person – Conway Br (Last)	2. Issuer Name and Ticker or Trading Symbol MRI INTERVENTIONS, INC. [MRIC]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Otricer (give title below)Other (specify below)						
C/O MRI II INC., ONE SUITE 255	3. Date of Earliest Transaction (Month/Day/Year) 08/20/2012												
MEMPHIS	(Street) , TN 38103			4. If Amendment, Date Original Filed(Month/Day/Year)						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										
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	any	n Date, if			4. Securities ion Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5		or (D) nd 5)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	Amount	(A) or (D)		Reported Transaction(s) (Instr. 3 and 4)	(I) (Instr. 4)			
Common Stock	08/20/2012			Ρ		5,000	A	\$ 2.37 <u>(1)</u>	1,921,518	D (2)			
Common Stock	08/20/2012			Ρ		1,000	A	\$ 2.45	6,000	I	By Gordon McShane Trust for Chase T. Conway (3)		
Common Stock	08/20/2012			Ρ		1,000	A	\$ 2.45	6,000	1	By Gordon McShane Trust for Alden M. Conway (4)		
Common Stock	08/20/2012			Ρ		1,000	A	\$ 2.45	6,000	I	By Gordon McShane Trust for Merritt E. Conway (5)		
Common Stock	08/21/2012			Ρ		3,000	A	\$ 2.39 <u>(6)</u>	8,000	I	By Edna N. Conway Irrevocable Trust FBO Chase T. Conway		
Common Stock	08/21/2012			Ρ		1,500	A	\$ 2.4	6,500	I	By Edna N. Conway Irrevocable Trust FBO Merritt E. Conway		
Common Stock									228,750	I	By Spouse		
Common Stock									5,000	I	By Edna N. Conway Irrevocable Trust FBO Alden M. Conway		
Common Stock									406,137	1	By Alden M. Conway Trust		
Common Stock									406,137	I	By Chase T. Conway Trust		

Common Stock					4	.06,137 I		By Merritt E. Conway Trust				
Common Stock					1	0,000 I		By Conwa Family GST Trus				
	Reminder: Report on a separate line for each class of securities eneficially owned directly or indirectly.											
Persons who respond to the collection of information contained in this form are not information contained in this form are not information contained to respond unless the form displays a currently valid OMB control number. (9-02)												
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)											
1. Title of	2.	3. Transaction	3A. Deemed	4.	5.	6. Date Exercisa	able 7.	Title and	8. Price of	9. Number of	10.	11. Nature
Derivative	Conversion	Date	Execution Date, if	Transaction	Number	and Expiration I	Date Ar	nount of	Derivative	Derivative	Ownership	of Indirect
		(Month/Day/Year)			of	(Month/Day/Yea	ar) Ui	nderlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	• •	Derivative				• •	,		Ownership
	Derivative				Securities			istr. 3 and				(Instr. 4)
	Security				Acquired		4)			•	Direct (D)	
					(1) or					Donortod	or Indiract	
					(A) or Disposed					Reported Transaction(s)	or Indirect	

(Instr. 4)

Amount or

Number

Shares

of

Title

(Instr. 4)

of (D)

Officer

Other

08/21/2012

Date

Code

Director

Х

Relationships

10% Owner

V (A) (D)

(Instr. 3, 4, and 5)

Date

Exercisable Date

Expiration

* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

/s/ Oscar Thomas, by power of attorney for Bruce C. Conway

-Signature of Reporting Person

- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) This price is a weighted average price. The shares were purchased in two separate transactions: 3,000 shares at \$2.40 per share and 2,000 shares at \$2.32 per share.
- (2) Includes 32,891 shares held jointly with spouse, and 4,950 shares held in an IRA.
- (3) These shares are held in trust for the benefit of the reporting person's child. The reporting person's spouse is trustee of the trust.
- (4) These shares are held in trust for the benefit of the reporting person's child. The reporting person's spouse is trustee of the trust.
- (5) These shares are held in trust for the benefit of the reporting person's child. The reporting person's spouse is trustee of the trust.
- (6) This price is a weighted average price. The shares were purchased in three separate transactions: 1,500 shares at \$2.40 per share, 506 shares at \$2.35 per share and 994 shares at \$2.40 per share.
- (7) Includes 1,500 shares held through an IRA.

Reporting Owners

C/O MRI INTERVENTIONS, INC.

Conway Bruce C.

Signatures

MEMPHIS, TN 38103

Reporting Owner Name / Address

ONE COMMERCE SQUARE, SUITE 2550

Explanation of Responses:

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.