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 APPROV	AL			
OMB	3235-			
Number:	0287			
Expires: November 30				
Explics.	2011			
Estimated average	e			
burden hours per				
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

<u> </u>	e Responses)		1						•																						
	d Address of Repo	rting		ier Name	an	d Ticker c	or Tra	ading	5. Relationship of Reporting Person(s) to																						
Person - Conway B	Symbol MRI IN [MRIC]	ITERVE	NT	IONS, II	NC.	Issuer (Check all applicable) _X_ Director10% Owner Officer (give titleOther (specify																									
(Last) C/O MRI I INC., ONE SUITE 255		of Earlies Day/Year 2012		ansactio	n		below) below)																								
00112 20	(Street)				Da	te Origina	al		6. Individual or Joint/Group Filing(Check																						
MEMPHIS		onth/Day/Ye		Ū		Applicable Line) Form filed by One Reporting Person Form filed by More than One Reporting Person																									
(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Owned								ed of, or Be	eneficially																						
1.Title of Security (Instr. 3)	Date Execution Date, if 1 (Month/Day/Year) any		Date, if Transaction Acquired (A Code Disposed of		Execution Date, if Transact		Transaction Acquired (A) or Code Disposed of (D)			5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D)	Beneficial Ownership																			
				Code	v	Amount	(A) or ount (D) Price		Following Reported Transaction(s) (Instr. 3 and 4)	or Indirect (I) (Instr. 4)	(Instr. 4)																				
Common Stock	08/22/2012			Р		10,000	A	\$ 2.43	20,000	I	By Conway Family GST Trust																				
Common Stock	08/24/2012																	Ρ		1,500	A	\$ 2.45	8,000	I	By Edna N. Conway Irrevocable Trust FBO Chase T. Conway						
Common Stock	08/24/2012																							Ρ		1,500	A	\$ 2.45	8,000	I	By Edna N. Conway Irrevocable Trust FBO Merritt E. Conway
Common Stock	08/24/2012			Ρ		1,500	A	\$ 2.435 (<u>1)</u>	8,000	I	By Edna N. Conway Irrevocable Trust FBO Alden M. Conway																				
Common Stock									1,918,518	D <u>(2)</u>																					
Common Stock									406,137	I	By Alden M. Conway Trust																				
Common Stock									406,137	I	By Chase T. Conway Trust																				
Common Stock									406,137	I	By Merritt E. Conway Trust																				
Common Stock									231,750	I	By spouse (<u>3)</u>																				
Common Stock									6,000	I	By Gordon McShane Trust for Chase T. Conway ⁽⁴⁾																				
Common Stock									6,000	1	By Gordon McShane Trust for Alden M. Conway ⁽⁵⁾																				

Common Stock	6,000	I	By Gordon McShane Trust for Merritt E. Conway ⁽⁶⁾	
Reminder: Report on a separate line fo 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.
 SEC 1474 (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 Exer	cisable	7. Tit	le and	8. Price of	9. Number of	10.	11. Nature
Derivative	Conversion	Date	Execution Date, if	Transacti	on	Num	ber	and Expirati	on Date	Amo	unt of	Derivative	Derivative	Ownership	of Indirect
Security	or Exercise	(Month/Day/Year)	any	Code		of		(Month/Day/	Year)	Unde	erlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)		Deriv	ative			Secu	irities	(Instr. 5)	Beneficially	Derivative	Ownership
	Derivative					Secu	rities			(Instr	r. 3 and		Owned	Security:	(Instr. 4)
	Security					Acqu	ired			4)			Following	Direct (D)	
						(A) o	r						Reported	or Indirect	
						Disp	osed						Transaction(s)	(I)	
						of (D							(Instr. 4)	(Instr. 4)	
						(Instr									
						4, an	4, and 5)								
											Amount				
								Date	Evpiration		or				
								Exercisable	Expiration Date	Title	Number				
								LAGICISADIG	Dale		of				
				Code	۷	(A)	(D)				Shares				

Reporting Owners

Departing Owney Name / Address		Relationships					
Reporting Owner Name / Address		irector	10% Owner	Officer	Other		
Conway Bruce C. C/O MRI INTERVENTIONS, INC. ONE COMMERCE SQUARE, SUITE 25 MEMPHIS, TN 38103	550	x					

Signatures

/s/ Oscar Thomas, by power of attorney for Bruce C. Conway	08/24/2012
-Signature of Reporting Person	Date

Explanation of Responses:

- * 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) This price is a weighted average price. The shares were purchased in two separate transactions: 750 shares at \$2.42; and 750 shares at \$2.45.
- (2) Includes 32,891 shares held jointly with spouse, and 4,950 shares held in an IRA.
- (3) Includes 1,500 shares held through an IRA.
- (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) 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.

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.