

					Disposed of (D) (Instr. 3, 4, and 5)					Transaction(s) (Instr. 4)	(I) (Instr. 4)	
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
					Code	V	(A)	(D)				

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rooke Andrew K. C/O MRI INTERVENTIONS, INC. ONE COMMERCE SQUARE, STE 2550 MEMPHIS, TN 38103	X	X		

Signatures

/s/ Oscar Thomas, by Power of Attorney for Andrew K. Rooke		07/02/2014
<small>Signature of Reporting Person</small>		<small>Date</small>

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).

These shares were issued pursuant to the issuer's Non-Employee Director Compensation Plan, in payment of fees owed to the reporting (1) person under such plan. The shares were issued at a price of \$1.02 per share, representing the volume-weighted average price of the issuer's common stock for the 5-trading day period ending June 30, 2014.

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.