

Trigg Leslie  
Form 3  
January 20, 2011

**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 *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Trigg Leslie		(Month/Day/Year)	Cardiovascular Systems Inc [CSII]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
		11/18/2010		
651 CAMPUS DRIVE			(Check all applicable)	
(Street)			<input checked="" type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
			<input type="checkbox"/> Officer	<input type="checkbox"/> Other
ST. PAUL,Â MNÂ 55112			(give title below) (specify below)	
(City)	(State)	(Zip)	6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person	
			<input type="checkbox"/> Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	4,000	D	Â
Common Stock	1,962	I	By Trigg Family Trust

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**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)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	Â (1)	10/02/2016	Common Stock	6,470	\$ 8.83	D	Â
Warrant (right to buy)	02/25/2009	02/24/2014	Common Stock	745	\$ 8.83	I	By Trigg Family Trust

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Trigg Leslie 651 CAMPUS DRIVE ST. PAUL, MN 55112	Â X	Â	Â	Â

## Signatures

/s/ John R. Remakel as Attorney-in-Fact for Leslie L. Trigg pursuant to Power of Attorney filed herewith.

01/20/2011

\_\_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) Fully exercisable.

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.