Cardiogenesis Corp /CA Form 4 April 06, 2010

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue.

See Instruction

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

1(b).

(Print or Type Responses)

1. Name and A LANIGAN	Person * 2. Issue Symbol	2. Issuer Name and Ticker or Trading Symbol					5. Relationship of Reporting Person(s) to Issuer			
	Cardiog	Cardiogenesis Corp /CA [CGCP.PK]					(Check all applicable)			
(Last)	(First) (M	, , , , ,	3. Date of Earliest Transaction							
11 MUSICE	•	(Month/Day/Year) 03/31/2010				Director 10% OwnerX Officer (give title Other (specify below) Executive VP, Marketing				
		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				
IRVINE, CA						Form filed by More than One Reporting Person				
(City)	(State)	(Zip) Tab	le I - Non-E	Derivative S	ecuri	ties Acq	uired, Disposed o	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	n Date, if Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) Ownership (Instr. 4) 7. Nature of Indirect Ownership (Instr. 4)				
Common Stock	03/31/2010		F	13,471 (1)	D	\$ 0.38	231,895 (2)	D		

Reminder: Report on a separate line for each class of securities 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)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	Securities Acquired (A) or Disposed of (D)		ate Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

LANIGAN RICHARD P 11 MUSICK IRVINE, CA 92618

Executive VP, Marketing

Signatures

/s/ William R. Abbott by power of attorney for reporting 04/06/2010 person

> **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) 33% of a restricted award vested on 3/31/10. A portion of the vested shares were withheld to pay taxes applicable to the vesting.
- (2) Includes 23,305 shares purchased under the Company's Employee Stock Purchase Plan on May 15, 2009.

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.

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