

CARDIOGENESIS CORP /CA

Form 10-Q

August 15, 2005

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**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**FORM 10-Q**  
**Quarterly report pursuant to Section 13 or 15(d)**  
**of the Securities Exchange Act of 1934**  
**For the quarterly period ended June 30, 2005**  
**Commission file number 0-28288**

**CARDIOGENESIS CORPORATION**  
(formerly known as Eclipse Surgical Technologies, Inc.)  
(Exact name of Registrant as specified in its charter)

**California**

**77-0223740**

*(State of incorporation)*

*(I.R.S. Employer  
Identification Number)*

**26632 Towne Centre Drive**  
**Suite 320**

**Foothill Ranch, California 92610**

*(Address of principal executive offices)*

**(714) 649-5000**

*(Registrant's telephone number, including area code)*

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark whether the registrant is an accelerated filer (as defined in Exchange Act Rule 12b-2.)

Yes  No

Indicate the number of shares outstanding of each of the issuer's classes of common stock outstanding as of the latest practicable date.

43,686,029 shares of Common Stock, no par value  
As of July 29, 2005

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**Table of Contents****Item 1. Financial Statements (unaudited)**

**CARDIOGENESIS CORPORATION**  
**CONDENSED CONSOLIDATED BALANCE SHEETS**  
(in thousands)  
(unaudited)

	<b>June 30, 2005</b>	<b>December 31, 2004</b>
<b>ASSETS</b>		
Current assets:		
Cash and cash equivalents	\$ 2,258	\$ 4,740
Accounts receivable, net of allowance for doubtful accounts of \$13 and \$11 at June 30, 2005 and December 31, 2004, respectively	3,133	3,578
Inventories, net	2,964	1,782
Prepays and other current assets	559	513
<b>Total current assets</b>	<b>8,914</b>	<b>10,613</b>
Property and equipment, net	602	601
Restricted cash	2,539	2,884
Other assets	1,364	1,585
<b>Total assets</b>	<b>\$ 13,419</b>	<b>\$ 15,683</b>
<b>LIABILITIES AND SHAREHOLDERS EQUITY</b>		
Current liabilities:		
Accounts payable	\$ 1,124	\$ 893
Accrued liabilities	2,112	1,263
Deferred revenue	583	658
Notes payable	198	
Current portion of capital lease obligation	6	5
Current portion of convertible term note	1,200	800
<b>Total current liabilities</b>	<b>5,223</b>	<b>3,619</b>
Capital lease obligation, less current portion	14	18
Warrant liability	458	496
Convertible term note and related obligations, less current portion	5,582	6,815
<b>Total liabilities</b>	<b>11,277</b>	<b>10,948</b>
Shareholders equity:		
Preferred stock:		
no par value; 5,000 shares authorized; none issued and outstanding		
Common stock:		
no par value; 75,000 shares authorized; 43,326 and 41,500 shares issued and outstanding at June 30, 2005 and December 31, 2004, respectively	172,088	171,012
Accumulated deficit	(169,946)	(166,277)

Total shareholders' equity	2,142	4,735
Total liabilities and shareholders' equity	\$ 13,419	\$ 15,683

The accompanying notes are an integral part of these condensed consolidated financial statements.

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**CARDIOGENESIS CORPORATION**  
**CONDENSED CONSOLIDATED STATEMENTS OF**  
**OPERATIONS**  
(in thousands, except per share amounts)  
(unaudited)

	<b>Three months ended</b>		<b>Six months ended</b>	
	<b>June 30,</b>		<b>June 30,</b>	
	<b>2005</b>	<b>2004</b>	<b>2005</b>	<b>2004</b>
Net revenues	\$ 4,885	\$ 3,376	\$ 7,876	\$ 7,417
Cost of revenues	925	518	1,530	1,071
Gross profit	3,960	2,858	6,346	6,346
Operating expenses:				
Research and development	687	378	1,037	669
Sales, general and administrative	4,307	2,724	8,051	5,652
Total operating expenses	4,994	3,102	9,088	6,321
Operating (loss) income	(1,034)	(244)	(2,742)	25
Non operating income (expense), net	176	(20)	(927)	(22)
Net (loss) income	(858)	(264)	(3,669)	3
Per share information:				
Net (loss) income available to common shareholders	\$ (858)	\$ (264)	\$ (3,669)	\$ 3
Net (loss) income per share:				
Basic and diluted	\$ (0.02)	\$ (0.01)	\$ (0.09)	\$
Shares used in computation of net (loss) income per share:				
Basic	42,808	41,279	42,356	40,885
Diluted	42,808	41,279	42,356	41,404

The accompanying notes are an integral part of these condensed consolidated financial statements.

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**CARDIOGENESIS CORPORATION**  
**CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS**  
(in thousands)  
(unaudited)

	<b>Six months ended</b>	
	<b>June 30,</b>	
	<b>2005</b>	<b>2004</b>
Cash flows from operating activities:		
Net (loss) income	\$(3,669)	\$ 3
Adjustments to reconcile net (loss) income to net cash used in operating activities:		
Derivative and warrant fair value adjustments	(687)	
Amortization of discount on notes payable	481	
Depreciation and amortization	146	110
Doubtful accounts	13	11
Inventory reserves	67	11
Interest expense accrued on note payable	105	
Amortization of other assets	97	97
Amortization of debt issuance costs	115	31
Gain on debt extinguishment	249	
Reduction of clinical trial accrual		(152)
Changes in operating assets and liabilities:		
Accounts receivable	432	127
Inventories	(1,249)	(9)
Prepays and other current assets	249	82
Other assets	9	
Accounts payable	231	(85)
Accrued liabilities	809	(415)
Deferred revenue	(75)	(56)
Net cash used in operating activities	(2,677)	(245)
Cash flows from investing activities:		
Acquisition of property and equipment	(147)	(188)
Net cash used in investing activities	(147)	(188)
Cash flows from financing activities:		
Decrease in restricted cash, net of interest income	345	
Net proceeds from sale of common stock and issuance of common stock from exercise of options	97	225
Net proceeds from sale of common stock to private investors		2,342
Payments on notes payable	(97)	(58)
Payments on capital lease obligation	(3)	(2)
Net cash provided by financing activities	342	2,507
Net (decrease) increase in cash and cash equivalents	(2,482)	2,074
Cash and cash equivalents at beginning of year	4,740	1,013

Cash and cash equivalents at end of period	\$ 2,258	\$ 3,087
Supplemental schedule of cash flow information:		
Interest paid	\$ 5	\$ 2
Taxes paid	\$ 1	\$ 34

The accompanying notes are an integral part of these condensed consolidated financial statements.

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**CARDIOGENESIS CORPORATION**

**NOTES TO UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS**

**1. Summary of Significant Accounting Policies:**

*Interim Financial Information (unaudited):*

The interim financial statements in this report reflect all adjustments, consisting of normal recurring adjustments, that are, in the opinion of management, necessary for a fair statement of the results of operations and cash flows for the interim periods covered and of the financial position of the Company at the interim balance sheet date. Results for interim periods are not necessarily indicative of results to be expected for the full fiscal year. The year-end balance sheet information was derived from audited financial statements but does not include all disclosures required by accounting principles generally accepted in the United States of America. These financial statements should be read in conjunction with Cardiogenesis' audited financial statements and notes thereto for the year ended December 31, 2004, contained in the Company's Annual Report on Form 10-K, as filed with the U.S. Securities and Exchange Commission (SEC).

These financial statements contemplate the realization of assets and the satisfaction of liabilities in the normal course of business. Cardiogenesis has sustained significant operating losses for the last several years and may continue to incur losses in the future. Management believes its cash balance as of June 30, 2005 is sufficient to meet the Company's capital and operating requirements for the next 12 months.

Cardiogenesis may require additional financing in the future. There can be no assurance that Cardiogenesis will be able to obtain additional debt or equity financing, if and when needed, on terms acceptable to the Company. Any additional debt or equity financing may involve substantial dilution to Cardiogenesis' stockholders, restrictive covenants or high interest costs. The failure to raise needed funds on sufficiently favorable terms could have a material adverse effect on Cardiogenesis' business, operating results and financial condition. Cardiogenesis' long term liquidity also depends upon its ability to increase revenues from the sale of its products and achieve profitability. The failure to achieve these goals could have a material adverse effect on the business, operating results and financial condition.

*Net Income (Loss) Per Share:*

Basic earnings per share (EPS) is computed by dividing the net income (loss) by the weighted average number of common shares outstanding for the period. Diluted EPS is computed giving effect to all dilutive potential common shares that were outstanding during the period. Dilutive potential common shares consist of incremental shares issuable upon the exercise of stock options, warrants using the treasury stock method and the convertible note payable using the if-converted method.

Options to purchase 4,868,000 and 4,203,000 shares of common stock were outstanding at June 30, 2005 and 2004, respectively. The range of per share exercise prices for these options was \$0.32-\$12.6875 for 2005 and 2004. Warrants to purchase 75,000 shares of common stock at \$1.63 per share were outstanding as of June 30, 2005 and 2004. Warrants to purchase 275,000 shares of common stock at prices ranging from \$0.35 to \$0.44 per share were outstanding as of June 30, 2005 and 2004. For the six months ended June 30, 2004, potentially dilutive securities resulted in potential common shares of approximately 519,000 shares. Warrants to purchase 3,100,000 and 2,640,000 shares of common stock at \$1.37 and \$0.50, respectively, per share were also outstanding at June 30, 2005. A secured convertible term note, convertible at \$0.50 per share subject to certain downward adjustments due to decreases in the Company's stock price, was outstanding at June 30, 2005 and December 31, 2004. The balance as of June 30, 2005 and December 31, 2004 was \$5,412,000 and \$6,000,000, respectively. None of the options, warrants or convertible notes were included in the calculation of diluted EPS for the three and six months ended June 30, 2005 because their inclusion would have been anti-dilutive.

**Table of Contents****2. Inventories:**

Inventories are stated at lower of cost (first-in, first-out) or market and consist of the following (in thousands):

	<b>June 30, 2005 (unaudited)</b>	<b>December 31, 2004</b>
Raw materials	\$ 1,050	\$ 1,085
Work-in-process	313	210
Finished goods	2,000	889
	3,363	2,184
Less reserves	(399)	(402)
	\$ 2,964	\$ 1,782

**3. Stock-Based Compensation:**

Cardiogenesis accounts for its stock-based compensation in accordance with Accounting Principles Board Opinion No. 25, Accounting for Stock Issued to Employees ( APB 25 ). Cardiogenesis has elected to adopt the disclosure only provisions of Statement of Financial Accounting Standards No. 123, Accounting for Stock-Based Compensation ( SFAS 123 ), which requires pro forma disclosures in the financial statements as if the measurement provisions of SFAS 123 had been adopted. In addition, the Company has made the appropriate disclosures as required under the Statement of Financial Accounting Standards No. 148, Accounting for Stock-Based Compensation Transition and Disclosure.

Had compensation cost for the Stock Option Plan, the Director's Stock Option Plan and the Employee Stock Purchase Plan ( ESPP ) been determined based on the fair value of the options at the grant date for awards in the three and six months ended June 30, 2005 and 2004, consistent with the provisions of SFAS 123, Cardiogenesis' net (loss) income and net (loss) income per share would have increased to the pro forma amounts indicated below (in thousands, except per share amounts):

	<b>Three Months Ended June 30,</b>	
	<b>2005</b>	<b>2004</b>
Net loss as reported	\$ (858)	\$ (264)
Stock-based employee compensation	\$ (91)	\$ (137)
Pro forma net loss	\$ (949)	\$ (401)
Basic and diluted net loss per share as reported	\$ (0.02)	\$ (0.01)
Pro forma basic and diluted net loss per share	\$ (0.02)	\$ (0.01)
	<b>Six Months Ended June 30,</b>	
	<b>2005</b>	<b>2004</b>
Net (loss) income as reported	\$ (3,669)	\$ 3
Stock-based employee compensation	\$ (378)	\$ (251)
Pro forma net loss	\$ (4,047)	\$ (248)
Basic and diluted net (loss) income per share as reported	\$ (0.09)	\$
Pro forma basic and diluted net loss per share	\$ (0.10)	\$ (0.01)

The above pro-forma disclosures are not necessarily representative of the effects on reported net income (loss) for future years. The aggregate fair value and weighted average fair value per share of options granted in the three months ended June 30, 2005 and 2004 were \$34,000 and \$73,000 and \$0.36 and \$0.32, respectively. The aggregate fair value

and weighted average fair value per share of options granted in the six months ended June 30, 2005 and 2004 were \$295,000 and \$494,000 and \$0.32 and \$0.62, respectively. The fair value of each option grant is estimated on the date of grant using the Black-Scholes option pricing model.

**4. Convertible Term Note and Related Obligations**

In connection with our October 2004 financing transaction with Laurus Master Fund, Ltd, a Cayman Islands corporation ( Laurus ), we issued a secured convertible term note (the Note ) in the aggregate principal amount of

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\$6.0 million and a warrant to purchase an aggregate of 2,640,000 shares of our common stock at a price of \$0.50 per share to Laurus in a private offering. The Note includes embedded derivative financial instruments. Both the warrant and the derivatives are required to be accounted for separately from the related debt securities and recorded on the balance sheet at fair value. Changes in the estimated fair value of the liabilities are charged to the consolidated statements of operations under the caption Non operating income (expense), net .

During the six months ended June 30, 2005, Laurus converted \$588,000 of principal and \$142,000 of interest related to the Note into 1,589,000 shares of common stock. Each conversion of debt into equity is recorded as an extinguishment of debt and an increase in equity valued at the fair market value on the date of conversion. A gain or loss on extinguishment of debt is recorded at time of conversion and represents the difference in fair market value at the date of conversion less the actual conversion price.

The following table presents a reconciliation between the principal amount of the note and the carrying amount of the Note on the consolidated balance sheets:

	<b>June 30, 2005 (unaudited)</b>	<b>December 31, 2004</b>
Principal Note Balance	\$ 6,000	\$ 6,000
Principal conversions	(588)	
	5,412	6,000
Discount on note payable	(1,085)	(1,489)
Derivative valuation	1,669	2,338
Warrant valuation	786	766
Total convertible term note and related obligations	\$ 6,782	\$ 7,615

**5. Recently Issued Accounting Standards**

In May 2005, the Financial Accounting Standards Board ( FASB ) issued Statement of Financial Accounting Standards ( SFAS ) No. 154, Accounting Changes and Error Corrections, which replaces APB Opinion No. 20, Accounting Changes and SFAS No. 3, Reporting Accounting Changes in Interim Financial Statements. This pronouncement applies to all voluntary changes in accounting principle, and revises the requirements for accounting for and reporting a change in accounting principle. SFAS No. 154 requires retrospective application to prior periods financial statements of a voluntary change in accounting principle, unless it is impracticable to do so. This pronouncement also requires that a change in the method of depreciation, amortization, or depletion for long-lived, non-financial assets be accounted for as a change in accounting estimate that is effected by a change in accounting principle. SFAS No. 154 retains many provisions of APB Opinion 20 without change, including those related to reporting a change in accounting estimate, a change in the reporting entity, and correction of an error. The pronouncement also carries forward the provisions of SFAS No. 3 which govern reporting accounting changes in interim financial statements. SFAS No. 154 is effective for accounting changes and corrections of errors made in fiscal years beginning after December 15, 2005. The Statement does not change the transition provisions of any existing accounting pronouncements, including those that are in a transition phase as of the effective date of SFAS No. 154. The Company is evaluating any future effect of this pronouncement.

In March 2005, the FASB issued FASB Interpretation No. 47, Accounting for Conditional Asset Retirement Obligations ( FIN 47 ). FIN 47 clarifies that an entity must record a liability for a conditional asset retirement obligation if the fair value of the obligation can be reasonably estimated. Asset retirement obligations covered by FIN 47 are those for which an entity has a legal obligation to perform an asset retirement activity, even if the timing and method of settling the obligation are conditional on a future event that may or may not be within the control of the entity. FIN 47 also clarifies when an entity would have sufficient information to reasonably estimate the fair value of an asset

retirement obligation. FIN 47 is effective no later than the end of fiscal years ending after December 15, 2005. The Company is evaluating the impact this statement will have on its financial position and result of operations.

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From July 1, 2005 to July 31, 2005, Laurus elected to convert an aggregate of \$149,000 of principal and interest under the Note into an aggregate of 360,000 shares of Cardiogenesis common stock at conversion prices ranging from \$0.40 to \$0.50 per share. Of this amount, \$25,000 was released from restricted cash.

In November 2003, our employment relationship with Darrell Eckstein, our former President, Chief Operating Officer, Acting Chief Financial Officer, Chief Accounting Officer, Treasurer and Secretary was terminated. In connection with the termination of his employment and his employment agreement with the Company, Mr. Eckstein brought a breach of contract claim (among other claims) against the Company whereby he sought unspecified monetary damages. On August 9, 2005, the Company entered into a settlement agreement with Mr. Eckstein with respect to all of his claims against the Company. The Company denied any wrongdoing as part of the settlement. The total settlement amount was \$600,000 and is included in accrued liabilities as of June 30, 2005. In accordance with the settlement agreement, the Company received a release of all claims.

**Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.**

*This Management's Discussion and Analysis of Financial Condition and Results of Operations contains descriptions of our expectations regarding future trends affecting our business. These forward-looking statements and other forward-looking statements made elsewhere in this document are made in reliance upon the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Please read the section below titled "Factors Affecting Future Results" to review conditions which we believe could cause actual results to differ materially from those contemplated by the forward-looking statements. Forward-looking statements are identified by words such as "believes," "anticipates," "expects," "intends," "plans," "will," "may" and similar expressions. In addition, any statement to our plans, expectations, strategies or other characterizations of future events or circumstances are forward-looking statements. Our business may have changed since the date hereof and we undertake no obligation to update these forward looking statements.*

*The following discussion should be read in conjunction with financial statements and notes thereto included in this Quarterly Report on Form 10-Q.*

**Overview**

Cardiogenesis Corporation, formerly known as Eclipse Surgical Technologies, Inc., incorporated in California in 1989, designs, develops and distributes laser-based surgical products and disposable fiber-optic accessories for the treatment of advanced cardiovascular disease through transmyocardial revascularization ( TMR ) and percutaneous myocardial channeling ( PMC ). PMC was formerly referred to as percutaneous myocardial revascularization ( PMR ). The new name PMC more literally depicts the immediate physiologic tissue effect of the Cardiogenesis PMC system to ablate precise, partial thickness channels into the heart muscle from the inside of the left ventricle.

In February 1999, we received final approval from the FDA for our TMR products for certain indications, and we are permitted to sell those products in the U.S. on a commercial basis. We have also received the European Conforming Mark ( CE Mark ) allowing the commercial sale of our TMR laser systems and our PMC catheter system to customers in the European Community. Effective July 1999, the Centers for Medicare and Medicaid Services ( CMS ) began providing Medicare coverage for TMR. As a result, hospitals and physicians are now eligible to receive Medicare reimbursement for TMR equipment and procedures performed on Medicare recipients.

We have completed pivotal clinical trials involving PMC, and study results were submitted to the FDA in a Pre Market Approval ( PMA application ) in December 1999 along with subsequent amendments. In July 2001, the FDA Advisory Panel recommended against approval of PMC for public sale and use in the United States. In February 2003, the FDA granted an independent panel review of our pending PMA application for PMC by the Medical Devices Dispute Resolution Panel ( MDDRP ). In July 2003, the FDA agreed to review additional data in support of our PMA supplement for PMC under the structure of an interactive review process between us and the FDA review team. The independent panel review by the MDDRP was cancelled in lieu of the interactive review, but the FDA has agreed to reschedule the MDDRP hearing in the future, if the dispute cannot be resolved. In August

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2004, we met with the FDA and agreed on the steps needed to design and initiate a new clinical trial to confirm the safety and efficacy of PMC. In January and May 2005, we again met with the agency to discuss and refine major trial parameters. We requested and obtained a binding agreement letter from the FDA in June 2005. We continue to work closely with the FDA in finalizing the clinical trial protocol under the Investigational Device Exemption (IDE) review process. Once the IDE approval is achieved and the related costs are clearly understood, we expect to move forward, either on our own or with a corporate partner in the interventional cardiology arena. There can be no assurance, however, that we will receive a favorable determination from the FDA.

As of June 30, 2005, we had an accumulated deficit of \$169,946,000. We may continue to incur operating losses in the future. The timing and amounts of our expenditures will depend upon a number of factors, including the efforts required to develop our sales and marketing organization, the timing of market acceptance of our products and the status and timing of regulatory approvals.

**Results of Operations***Net Revenues*

We generate our revenues primarily through the sale of our TMR laser systems, fiber optic handpiece delivery systems, and related services. Net revenues of \$4,885,000 for the quarter ended June 30, 2005 increased \$1,509,000, or 45%, when compared to net revenues of \$3,376,000 for the quarter ended June 30, 2004. The increase in revenues in the 2005 second quarter was primarily attributed to a 38% increase in handpiece unit sales and a significant increase in laser sales. Domestic handpiece shipments increased by 17% and international handpiece shipments increased by 13% compared to the prior year quarter.

For the quarter ended June 30, 2005, domestic disposable handpiece revenue increased by \$657,000 and domestic laser revenue increased by \$819,000 compared to the quarter ended June 30, 2004. In the second quarter of 2005, domestic handpiece revenue included \$641,000 in sales of product to customers operating under the loaned laser program, of which \$53,000 was attributed to premiums associated with such sales. In the second quarter of 2004, domestic handpiece revenue included \$356,000 in sales of product to customers operating under the loaned laser program, of which \$82,000 was attributed to premiums associated with such sales. In the second quarter of 2005 and 2004, sales of handpieces to customers not operating under the loaned laser program were \$2,423,000 and \$2,051,000, respectively.

International sales, accounting for approximately 7% of net revenues for the quarter ended June 30, 2005, increased \$290,000 from the prior year. We define international sales as sales to customers located outside of the United States. In addition, service and other revenue of \$357,000 decreased \$257,000 for the quarter ended June 30, 2005 when compared to \$614,000 for the quarter ended June 30, 2004.

Net revenues of \$7,876,000 for the six months ended June 30, 2005 increased \$459,000, or 6%, when compared to net revenues of \$7,417,000 for the six months ended June 30, 2004. The increase is primarily related to higher average selling prices on handpieces and an increase in the number of units sold.

For the six months ended June 30, 2005, domestic handpiece revenue increased by \$682,000 compared to the six months ended June 30, 2004. In the first six months of 2005, domestic handpiece revenue consisted of \$1,067,000 in sales to customers operating under the loaned laser program and \$4,538,000 in sales to customers not operating under the loaned laser program. For those sales to customers operating under the loaner laser program, \$199,000 was attributed to premiums associated with handpiece sales. In the first six months of 2004, domestic handpiece revenue consisted of \$960,000 in sales of product to customers operating under the loaned laser program and \$3,963,000 of sales to customers not operating under the loaned laser program. For those sales to customers operating under the loaned laser program, \$283,000 was attributed to premiums associated with the handpiece sales.

For the six months ended June 30, 2005, domestic laser revenue decreased by \$296,000 compared to the same period in 2004. International sales, accounting for approximately 6% of net revenues for the six months ended June 30, 2005, increased \$58,000 from the same period in the prior year when international sales accounted for 5% of total sales. In addition, service and other revenue of \$563,000 increased \$15,000 or 3% for the six months ended

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June 30, 2005 when compared to \$548,000 for the six months ended June 30, 2004.

*Gross Profit*

Gross margin decreased to 81% of net revenues for the quarter ended June 30, 2005 as compared to 85% of net revenues for the quarter ended June 30, 2004. Gross profit in absolute dollars increased by \$1,102,000 to \$3,960,000 for the quarter ended June 30, 2005, as compared to \$2,858,000 for the quarter ended June 30, 2004. The decrease in gross profit as a percentage of sales resulted from multiple sales of the SolarGen 2100s laser system which has a higher cost per unit than the TMR 2000 laser. The SolarGen was not commercially available in the prior year quarter.

Gross margin decreased to 81% of net revenues for the six months ended June 30, 2005 as compared to 86% of net revenues for the six months ended June 30, 2004. Gross profit in absolute dollars remained unchanged at \$6,346,000 for the six months ended June 30, 2005, as compared to the six months ended June 30, 2004. The decrease in gross margin is attributed to multiple sales of the SolarGen 2100s laser system which has a higher cost per unit than the TMR 2000 laser. The SolarGen was not commercially available in the prior year period.

*Research and Development*

Research and development expenditures of \$687,000 increased \$309,000 or 82% for the quarter ended June 30, 2005 when compared to \$378,000 for the quarter ended June 30, 2004. Research and development expenditures of \$1,037,000 increased \$368,000 or 55% for the six months ended June 30, 2005 when compared to \$669,000 for the six months ended June 30, 2004. The increase in overall research and development expense was primarily related to increased spending on research and development activity for our minimally invasive TMR platform as well as investment in important research initiatives.

*Sales, General and Administrative*

Sales, general and administrative expenditures of \$4,307,000 increased \$1,583,000 or 58% for the quarter ended June 30, 2005 when compared to \$2,724,000 for the quarter ended June 30, 2004. The increase in expenses resulted primarily from increases in employee headcount and related expenses, and legal and patent expenses of \$1,359,000 and \$81,000, respectively. In addition, the company incurred increased costs of \$214,000 attributed to an increased presence at trade shows and increased marketing expenses due to the initial clinical introduction of the Company's new minimally invasive product line.

Sales, general and administrative expenditures of \$8,051,000 increased \$2,399,000 or 42% for the six months ended June 30, 2005 when compared to \$5,652,000 for the six months ended June 30, 2004. The increase in expenses resulted primarily from increases in employee headcount and related expenses, and legal and patent expenses of \$1,959,000, and \$212,000, respectively. Additionally, we incurred an increase in marketing costs of \$303,000 due to an increased presence at trade shows and costs incurred for the initial clinical introduction of the Company's new minimally invasive product line.

**Liquidity and Capital Resources**

At June 30, 2005, we had cash and cash equivalents of \$2,258,000 compared to \$4,740,000 at December 31, 2004, a decrease of \$2,482,000. During the six months ended June 30, 2005, we had a net loss of \$3,669,000 and used cash of \$2,677,000 in operating activities primarily to fund our operating loss and purchase inventory. Net accounts receivable decreased by \$445,000 from \$3,578,000 at December 31, 2004 to \$3,133,000 at June 30, 2005, primarily due to increased collections of outstanding receivables in the first six months of 2005.

In October 2004, we completed a financing transaction with Laurus Master Fund, Ltd, a Cayman Islands corporation ( Laurus ), pursuant to which we issued a secured convertible term note (the Note ) in the aggregate principal amount of \$6.0 million and a warrant to purchase an aggregate of 2,640,000 shares of our common stock at a price of \$0.50 per share to Laurus in a private offering. Net proceeds to us from the financing, after payment of fees and expenses to Laurus and its affiliates, were \$5,752,500. Of this amount, \$2,877,000 was deposited in a restricted cash account and was not available for use in our operations.



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Cash used in investing activities during the six months ended June 30, 2005 was \$147,000 associated with the acquisition of property and equipment. Cash provided by financing activities was \$342,000 primarily due to the Laurus conversion of \$380,000 in principal into shares of common stock, which allowed for a corresponding amount, net of \$35,000 interest income, to be released from restricted cash as available for use by the Company, and an offsetting As of June 30, 2005, there was \$2,539,000 in the restricted cash account, which included \$35,000 of interest income. Funds deposited in the restricted cash account will only be released to us, if at all, upon satisfaction of certain conditions, such as: 1) voluntary conversion of the restricted funds by Laurus, and 2) conversion rights of the restricted funds by us subject to certain stock price levels and trading volume limitations.

The Note matures in October 2007, absent earlier redemption by us or earlier conversion by Laurus. Annual interest on the Note is equal to the prime rate published in The Wall Street Journal from time to time, plus two percent (2.0%), provided that such annual rate of interest may not be less than six and one-half percent (6.5%), subject to certain downward adjustments resulting from certain increases in the market price of our common stock. Interest on the Note is payable monthly in arrears on the first day of each month during the term of the Note, commencing November 2004. In addition, commencing May 2005, we have monthly principal payments due of approximately \$100,000 per month. To the extent that funds are released from the restricted cash account prior to repayment in full of the unrestricted portion of the Note proceeds, the monthly payment amount may be increased by an amount equal to the amount released from the restricted cash account divided by the remaining number of monthly principal payments due on or prior to the maturity date. The Note is convertible into shares of our common stock at the option of Laurus and, in certain circumstances, at our option.

The \$6,000,000 Note includes embedded derivative financial instruments. In conjunction with the Note, we issued a warrant to purchase 2,640,000 shares of common stock. The accounting treatment of the derivatives and warrant requires that we record the derivatives and warrant at their relative fair value as of the inception date of the agreement, and at fair value as of each subsequent balance sheet date. Any change in fair value will be recorded as non-operating, non-cash income or expense at each reporting date. If the fair value of the derivatives and warrant is higher at the subsequent balance sheet date, we will record a non-operating, non-cash charge. If the fair value of the derivatives and warrant is lower at the subsequent balance sheet date, we will record non-operating, non-cash income.

As of June 30, 2005 and December 31, 2004, the derivatives were valued at \$1,669,000 and \$2,338,000, respectively. Conversion related derivatives were valued using the Binomial Option Pricing Model with the following assumptions as of June 30, 2005 and December 31, 2004, respectively: dividend yield of 0% and 0%; annual volatility of 98.62% and 70.5%; and risk free interest rate of 3.66% and 3.25% as well as probability analysis related to trading volume restrictions. The remaining derivatives were valued using discounted cash flows and probability analysis. The warrant was valued at \$786,000 and \$766,000 at June 30, 2005 and December 31, 2004, respectively, using the Binomial Option Pricing model with the following assumptions: dividend yield of 0% and 0%; annual volatility of 94.91 % and 70.5%; risk-free interest rate of 3.66% and 3.94%; and exercise period of 2 years and 2 years. Both the derivatives and warrant were classified as long-term liabilities on the balance sheet line Convertible term note and related obligations.

We have incurred significant losses for the last several years and at June 30, 2005 we have an accumulated deficit of \$169,946,000. Our ability to maintain current operations is dependent upon maintaining our sales at least at the same levels achieved in prior years, increasing our sales through direct sales channels and marketing efforts on existing products and achieving timely regulatory approval for certain other products.

Currently, our primary goal is to achieve consistent profitability at the operating level. Our actions have been guided by this initiative, and as a result, cost containment measures have been implemented in July 2005 to help conserve our cash. Our focus is upon core and critical activities, thus operating expenses that are nonessential to our core operations have been eliminated.

We believe our cash balance as of June 30, 2005 will be sufficient to meet our capital, debt and operating requirements through the next 12 months. We believe that if revenues from sales or new funds from debt or equity instruments are insufficient to maintain the current expenditure rate, it will be necessary to significantly reduce our operations until an appropriate solution is implemented.



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We will have a continuing need for new infusions of cash if we incur losses in the future. We plan to increase our sales through increased direct sales and marketing efforts on existing products and achieving regulatory approval for other products. If our direct sales and marketing efforts are unsuccessful or we are unable to achieve regulatory approval for our products, we will be unable to significantly increase our revenues. We believe that if we are unable to generate sufficient funds from sales or from debt or equity issuances to maintain our current expenditure rate, it will be necessary to significantly reduce our operations. We may be required to seek additional sources of financing, which could include short-term debt, long-term debt or equity. There is a risk that we may be unsuccessful in obtaining such financing and that we will not have sufficient cash to fund our operations.

**Contractual Obligations**

Contractual Obligations	Total	Payments Due by Period			
		Less than 1 Year	1-3 Years	3-5 Years	More than 5 Years
			(In thousands)		
Convertible term note	\$5,412	\$ 1,200	\$4,212	\$	\$
Convertible term note Interest(1)	441	189	252		
Capital Lease Obligations	20	6	11	3	
Short term note payable	198	198			
Operating Leases	503	366	137		
Total	\$6,574	\$ 1,959	\$4,612	\$ 3	\$

(1) Assumes 6.75% effective interest rate.

**Critical Accounting Policies and Estimates**

The preparation of financial statements in conformity with generally accepted accounting principles requires our management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

The following presents a summary of our critical accounting policies and estimates, defined as those policies and estimates we believe are: (i) the most important to the portrayal of our financial condition and results of operations, and (ii) that require our most difficult, subjective or complex judgments, often as a result of the need to make estimates about the effects of matters that are inherently uncertain. Our most significant estimates relate to the determination of the allowance for bad debt, inventory reserves, valuation allowance relating to deferred tax asset, warranty reserve, the assessment of future cash flows in evaluating intangible assets for impairment and assumptions used in fair value determination of stock options, warrants and derivatives.

**Revenue Recognition:**

We recognize revenue on product sales when all of the following have occurred: receipt of a purchase order, shipment of the products, price is fixed or determinable and when collection of sales proceeds is reasonably assured. Where purchase orders allow customers an acceptance period or other contingencies, revenue is recognized upon the earlier of acceptance or removal of the contingency.

Revenues from sales to distributors and agents are recognized upon shipment when there is evidence that an arrangement exists, delivery has occurred under the Company's standard FOB shipping point terms, the sales price is fixed or determinable and the ability to collect sales proceeds is reasonably assured. The contracts regarding these sales do not include any rights of return or price protection clauses.

We frequently loan lasers to hospitals in return for the hospital purchasing a minimum number of handpieces at a premium over the list price. The loaned lasers are depreciated to cost of revenues over a useful life of 24 months. The revenue on the handpieces is recognized upon shipment at an amount equal to the list price. The premium over the list price represents revenue related to the use of the laser unit and is recognized ratably, generally over the 24-month useful life of the placed lasers.

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Revenues from service contracts, rentals, and per procedure fees are recognized upon performance or over the terms of the contract, as appropriate.

### ***Accounts Receivable:***

Accounts receivable consist of trade receivables recorded upon recognition of revenue for product sales, reduced by reserves for the estimated amount deemed uncollectible. The allowance for doubtful accounts is our best estimate of the amount of probable credit losses in our existing accounts receivable. We review the allowance for doubtful accounts quarterly with the corresponding provision included in general and administrative expenses. Past due balances over 90 days and over a specified amount are reviewed individually for collectibility. All other balances are reviewed on a pooled basis by type of receivable. Account balances are charged off against the allowance when we feel it is probable the receivable will not be recovered. We do not have any off-balance-sheet credit exposure related to our customers.

### ***Inventories:***

Inventories are stated at the lower of cost (principally standard cost, which approximates actual cost on a first-in, first-out basis) or market value. We regularly monitor potential excess, or obsolete, inventory by analyzing the usage for parts on hand and comparing the market value to cost. When necessary, we reduce the carrying amount of our inventory to its market value.

### ***Valuation of Long-lived Assets:***

We assess potential impairment of our finite lived, intangible assets and other long-lived assets when there is evidence that recent events or changes in circumstances indicate that their carrying value may not be recoverable. Reviews are performed to determine whether the carrying value of assets is impaired based on comparison to the undiscounted estimated future cash flows. If the comparison indicates that there is impairment, the impaired asset is written down to fair value, which is typically calculated using discounted estimated future cash flows. The amount of impairment would be recognized as the excess of the assets carrying value over its fair value. Events or changes in circumstances which may cause impairment include: significant changes in the manner of use of the acquired asset, negative industry or economic trends, and underperformance relative to historic or projected future operating results.

### ***Income Taxes:***

We account for income taxes using the liability method under which deferred tax assets or liabilities are calculated at the balance sheet date using current tax laws and rates in effect for the year in which the differences are expected to affect taxable income. Valuation allowances are established, when necessary, to reduce deferred tax assets to the amounts expected to be realized.

### **Risk Factors**

In addition to the other information included in this Form 10-Q, the following risk factors should be considered carefully in evaluating us and our business.

### ***Our ability to maintain current operations is dependent upon sustaining profitable operations or obtaining financing in the future.***

We have incurred significant losses since inception. For example, for the fiscal years 2004, 2003 and 2002 we incurred net losses of \$1,319,000, \$348,000 and \$530,000 respectively. We will have a continuing need for new infusions of cash if we continue to incur losses in the future. We plan to increase our revenues through increased direct sales and marketing efforts on existing products and achieving regulatory approval for other products. If our direct sales and marketing efforts are unsuccessful or we are unable to achieve regulatory approval for our products, we will be unable to significantly increase our revenues. We believe that if we are unable to generate sufficient funds from sales or from debt or equity issuances to maintain our current expenditure rate, it will be necessary to significantly reduce our operations, including our sales and marketing efforts and research and development. If we

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are required to significantly reduce our operations, our business will be harmed.

In October 2004, we obtained \$6.0 million of convertible debt financing which we believe will be sufficient to satisfy our capital needs for at least the next 12 months. However, changes in our business, financial performance or the market for our products may require us to seek additional sources of financing, which could include short-term debt, long-term debt or equity. Although in the past we have been successful in obtaining financing, there is a risk that we may be unsuccessful in obtaining financing in the future on terms acceptable to us and that we will not have sufficient cash to fund our continued operations.

Our revenues and operating income may be constrained:

if commercial adoption of our TMR laser systems by healthcare providers in the United States declines;

until such time, if ever, as we obtain FDA and other regulatory approvals for our PMC laser systems; and

for an uncertain period of time after such approvals are obtained.

***We may fail to obtain required regulatory approvals in the United States to market our PMC laser system.***

The FDA has not approved our PMC laser system for any application in the United States. In July 2001, the FDA Advisory Panel recommended against approval of PMC for public sale and use in the United States. In February 2003, the FDA granted an independent panel review of our pending PMA application for PMC by the Medical Devices Dispute Resolution Panel ( MDDRP ). In July 2003, the FDA agreed to an alternative process in which additional data in support of our PMA supplement for PMC could be submitted and reviewed by the FDA in an interactive review process. The data was submitted in August 2003 and the panel review by the MDDRP was cancelled. The FDA agreed to reschedule the MDDRP hearing in the future if the dispute cannot be resolved.

In March 2004, the FDA informed us that the data submitted in August 2003 was not adequate to support approval by the FDA of our PMC system. In August 2004, we met with the FDA and agreed on the steps needed to design and initiate a new clinical trial to confirm the safety and efficacy of PMC. In January and May 2005, we again met with the agency to discuss and refine major trial parameters. We requested and obtained a binding agreement letter from the FDA in June 2005. We continue to work closely with the FDA in finalizing the clinical trial protocol under the Investigational Device Exemption (IDE) review process. Once the IDE approval is achieved and the related costs are clearly understood, we expect to move forward, either on our own or with a corporate partner in the interventional cardiology arena. There can be no assurance, however, that we will receive a favorable determination from the FDA.

In August 2004, we decided to rename the Percutaneous Myocardial Revascularization ( PMR ) platform to Percutaneous Myocardial Channeling ( PMC ). The new name more literally depicts the immediate physiologic tissue effect of the percutaneous procedure.

We will not be able to derive any revenue from the sale of our PMC system in the United States until such time, if any, that the FDA approves the device. Such inability to realize revenue from sales of our PMC device in the United States may have an adverse effect on our results of operations.

***We may incur impairment charges on long-lived assets if future events indicate asset values may not be recoverable.***

In January 1999, we entered into an agreement with PLC Systems, Inc., which granted us non-exclusive worldwide use of certain PLC patents. In return, we paid PLC a license fee totaling \$2,500,000 over a forty-month period. The present value of the payments of \$2,300,000 was recorded as an asset and is included in other assets. The PLC patents are valuable to our PMC product line. The PMC product line is not approved for sale in the United States but is sold internationally. If PMC product sales decline in the future, we may suffer an impairment of the asset's value on our balance sheet.

**Table of Contents*****We may fail to obtain required regulatory approvals in the United States to market our new minimally invasive and robotically assisted handpieces.***

The Pearl 5.0 and 8.0 minimally invasive handpieces have been included in applications to the FDA and to international health authorities. We have obtained approval from the Canadian health authority and we are currently working with the respective agencies in Europe and the US toward approvals. Domestically, we are only able to derive revenue from the sales of the Pearl 5.0 and 8.0 handpieces that are used in the studies to obtain approval. We will not be able to derive other revenue from the sale of our new minimally invasive and robotically assisted handpieces in the United States until such time, if any, that the FDA approves these devices. Such inability to realize revenue from sales of these devices in the United States may have an adverse effect on our results of operations.

***We may not be able to successfully market our products if third party reimbursement for the procedures performed with our products is not available for our health care provider customers.***

Few individuals are able to pay directly for the costs associated with the use of our products. In the United States, hospitals, physicians and other healthcare providers that purchase medical devices generally rely on third party payors, such as Medicare, to reimburse all or part of the cost of the procedure in which the medical device is being used. Effective July 1, 1999, the Centers for Medicare and Medicaid Services ( CMS ), formerly the Health Care Financing Administration, commenced Medicare coverage for TMR systems for any manufacturer's TMR procedures. Hospitals and physicians are eligible to receive Medicare reimbursement covering 100% of the costs for TMR procedures. If CMS were to materially reduce or terminate Medicare coverage of TMR procedures, our business and results of operation would be harmed.

In July 2004, CMS convened the Medicare Advisory Committee ( MCAC ) to review the clinical evidence regarding laser myocardial revascularization as a treatment option for Medicare patients. The MCAC meeting was a non-binding public hearing to consider the body of scientific evidence concerning the safety and efficacy of laser myocardial revascularization and to provide advice and recommendations to the CMS on clinical issues. The MCAC reviewed more than six years of clinical evidence on laser myocardial revascularization and heard testimony from a group of leading physicians regarding TMR. CMS does not have a pending National Coverage Determination relating to laser myocardial revascularization. In September 2004, we confirmed that CMS does not intend to commence any action on TMR coverage at this time.

As PMC has not been approved by the FDA, the CMS has not approved reimbursement for PMC. If we obtain FDA approval for PMC in the future and CMS does not provide reimbursement, our ability to successfully market and sell our PMC products may be affected.

Even though Medicare beneficiaries appear to account for a majority of all patients treated with the TMR procedure, the remaining patients are beneficiaries of private insurance and private health plans. We have limited experience to date with the acceptability of our TMR procedures for reimbursement by private insurance and private health plans. If private insurance and private health plans do not provide reimbursement, our business will suffer.

If we obtain the necessary foreign regulatory registrations or approvals for our products, market acceptance in international markets would be dependent, in part, upon the availability of reimbursement within prevailing healthcare payment systems. Reimbursement is a significant factor considered by hospitals in determining whether to acquire new equipment. A hospital is more inclined to purchase new equipment if third-party reimbursement can be obtained. Reimbursement and health care payment systems in international markets vary significantly by country. They include both government sponsored health care and private insurance. Although we expect to seek international reimbursement approvals, any such approvals may not be obtained in a timely manner, if at all. Failure to receive international reimbursement approvals could hurt market acceptance of our TMR and PMC products in the international markets in which such approvals are sought, which would significantly reduce international revenue.

***In the future, the FDA could restrict the current uses of our TMR product and thereby restrict our ability to generate revenues.***

We currently derive approximately 99% of our revenues from our TMR product. The FDA has approved this product for sale and use by physicians in the United States. At the request of the FDA, we are currently conducting post-market surveillance of our TMR product. If we should fail to meet the requirements mandated by the FDA or fail to complete our post-market surveillance study in an acceptable time period, the FDA could withdraw its





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approval for the sale and use of our TMR product by physicians in the United States. Additionally, although we are not aware of any safety concerns during our on-going post-market surveillance of our TMR product, if concerns over the safety of our TMR product were to arise, the FDA could possibly restrict the currently approved uses of our TMR product. In the future, if the FDA were to withdraw its approval or restrict the range of uses for which our TMR product can be used by physicians in the United States, such as restricting TMR's use with the coronary artery bypass grafting procedure, either outcome could lead to reduced or no sales of our TMR product in the United States and our business could be materially and adversely affected.

***We must comply with FDA manufacturing standards or face fines or other penalties including suspension of production.***

We are required to demonstrate compliance with the FDA's current good manufacturing practices regulations if we market devices in the United States or manufacture finished devices in the United States. The FDA inspects manufacturing facilities on a regular basis to determine compliance. If we fail to comply with applicable FDA or other regulatory requirements, we can be subject to:

fines, injunctions, and civil penalties;

recalls or seizures of products;

total or partial suspensions of production; and

criminal prosecutions.

The impact on us of any such failure to comply would depend on the impact of the remedy imposed on us.

***We may fail to comply with international regulatory requirements and could be subject to regulatory delays, fines or other penalties.***

Regulatory requirements in foreign countries for international sales of medical devices often vary from country to country. In addition, the FDA must approve the export of devices to certain countries. The occurrence and related impact of the following factors would harm our business:

delays in receipt of, or failure to receive, foreign regulatory approvals or clearances;

the loss of previously obtained approvals or clearances; or

the failure to comply with existing or future regulatory requirements.

To market in Europe, a manufacturer must obtain the certifications necessary to affix to its products the CE Marking. The CE Marking is an international symbol of adherence to quality assurance standards and compliance with applicable European medical device directives. In order to obtain and to maintain a CE Marking, a manufacturer must be in compliance with the appropriate quality assurance provisions of the International Standards Organization and obtain certification of its quality assurance systems by a recognized European Union notified body. However, certain individual countries within Europe require further approval by their national regulatory agencies.

We have completed CE Mark registration for all of our products in accordance with the implementation of various medical device directives in the European Union. Failure to maintain the right to affix the CE Marking or other requisite approvals could prohibit us from selling our products in member countries of the European Union or elsewhere. Any enforcement action by international regulatory authorities with respect to past or future regulatory noncompliance could cause our business to suffer. Noncompliance with international regulatory requirements could result in enforcement action such as prohibitions against us marketing our products in the European Union, which would significantly reduce international revenue.

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***We may not be able to meet future product demand on a timely basis and may be subject to delays and interruptions to product shipments because we depend on single source third party suppliers and manufacturers.***

We purchase certain critical products and components for lasers and disposable handpieces from single sources. In addition, we are vulnerable to delays and interruptions, for reasons out of our control, because we outsource the manufacturing of our products to third parties. We may experience harm to our business if we cannot timely provide lasers to our customers or if our outsourcing suppliers have difficulties supplying our needs for products and components.

In addition, we do not have long-term supply contracts. As a result, our sources are not obligated to continue to provide these critical products or components to us. Although we have identified alternative suppliers and manufacturers, a lengthy process would be required to qualify them as additional or replacement suppliers or manufacturers. Also, it is possible some of our suppliers or manufacturers could have difficulty meeting our needs if demand for our TMR and PMC laser systems were to increase rapidly or significantly. We believe that we have an adequate supply of lasers to meet our expected demand for the next twelve months. However, if demand for our TMR laser is greater than we currently anticipate and there is a delay in obtaining production capacity, unless we are able to obtain lasers originally placed through our loaned laser program and no longer utilized by a hospital, we may not be able to meet the demand for our TMR laser. In addition, any defect or malfunction in the laser or other products provided by our suppliers and manufacturers could cause delays in regulatory approvals or adversely affect product acceptance. Further, we cannot predict:

if materials and products obtained from outside suppliers and manufacturers will always be available in adequate quantities to meet our future needs; or

whether replacement suppliers and/or manufacturers can be qualified on a timely basis if our current suppliers and/or manufacturers are unable to meet our needs for any reason.

***Expansion of our business may put added pressure on our management and operational infrastructure affecting our ability to meet any increased demand for our products and possibly having an adverse effect on our operating results.***

Growth in our business may place a significant strain on our limited personnel, management, financial systems and other resources. The evolving growth of our business presents numerous risks and challenges, including:

the dependence on the growth of the market for our TMR and PMC systems;

our ability to successfully and rapidly expand sales to potential customers in response to potentially increasing clinical adoption of the TMR procedure;

the costs associated with such growth, which are difficult to quantify, but could be significant;

domestic and international regulatory developments;

rapid technological change;

the highly competitive nature of the medical devices industry; and

the risk of entering emerging markets in which we have limited or no direct experience.

To accommodate any such growth and compete effectively, we may need to obtain additional funding to improve information systems, procedures and controls and expand, train, motivate and manage our employees, and such funding may not be available in sufficient quantities, if at all. If we are not able to manage these activities and implement these strategies successfully to expand to meet any increased demand, our operating results could suffer.

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***Our operating results are expected to fluctuate and quarter-to-quarter comparisons of our results may not indicate future performance.***

Our operating results have fluctuated significantly from quarter-to-quarter and are expected to continue to fluctuate significantly from quarter-to-quarter in future periods. We believe that quarter-to-quarter comparisons of our operating results are not a good indication of our future performance. Due to the emerging nature of the markets in which we compete, forecasting operating results is difficult and unreliable. It is likely or possible that our operating results for a future quarter will fall below the expectations of public market analysts that may cover our stock and investors. When this occurred in the past, the price of our common stock fell substantially, and if this occurs in the future, the price of our common stock may fall again, perhaps substantially.

***Our common stock is listed on the Over the Counter ( OTC ) Bulletin Board which may have an unfavorable impact on our stock price and liquidity.***

Effective April 3, 2003 our common stock was delisted from The Nasdaq SmallCap Market and became quoted on the OTC Bulletin Board on the same day. The OTC Bulletin Board is a significantly more limited market in comparison to the Nasdaq system. The listing of our shares on the OTC Bulletin Board may result in a less liquid market available for existing and potential stockholders to trade shares of our common stock, could ultimately further depress the trading price of our common stock and could have a long-term adverse impact on our ability to raise capital in the future.

***The trading prices of many high technology companies, and in particular medical device companies, have been volatile which may result in large fluctuations in the price of our common stock.***

The stock market has experienced significant price and volume fluctuations that have particularly affected the trading prices of equity securities of many high technology companies. These fluctuations have often been unrelated or disproportionate to the operating performance of many of these companies. Any negative change in the public's perception of medical device companies could depress our stock price regardless of our operating results.

***The price of our common stock may fluctuate significantly, which may result in losses for investors.***

The market price of our common stock has been and may continue to be volatile. For example, during the 52-week period ended July 31, 2005, the closing prices of our common stock as reported on the OTC Bulletin Board ranged from a high of \$0.79 per share to a low of \$0.35 per share. We expect our stock price to be subject to fluctuations as a result of a variety of factors, including factors beyond our control. These factors include:

actual or anticipated variations in our quarterly operating results;

the timing and amount of conversions and subsequent sales of common stock issuable upon conversion of outstanding convertible promissory notes and warrants;

announcements of technological innovations or new products or services by us or our competitors;

announcements relating to strategic relationships or acquisitions;

additions or terminations of coverage of our common stock by securities analysts;

statements by securities analysts regarding us or our industry;

conditions or trends in the medical device industry; and

changes in the economic performance and/or market valuations of other medical device companies.

The prices at which our common stock trades will affect our ability to raise capital, which may have an adverse effect on our ability to fund our operations.

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***We face competition from products of our competitors which could limit market acceptance of our products and render our products obsolete.***

The market for TMR laser systems is competitive. We currently compete with PLC Systems, a publicly traded company which uses a CO(2) laser and an articulated mechanical arm in its TMR products. Edwards Lifesciences, a well known, publicly traded provider of products and technologies to treat cardiovascular disease, has assumed full sales and marketing responsibility in the U.S. for PLC's TMR Heart Laser 2 System and associated kits pursuant to a co-marketing agreement between the two companies executed in January 2001. Through its significantly greater financial and human resources, including a well-established and extensive sales representative network, we believe Edwards has the potential to market to a greater number of hospitals and doctors that we currently can. If PLC, or any new competitor, is more effective than we are in developing new products and procedures and marketing existing and future products similar to ours, our business will suffer.

The market for TMR laser systems is characterized by rapid technical innovation. Our current or future competitors may succeed in developing TMR products or procedures that:

are more effective than our products;

are more effectively marketed than our products; or

may render our products or technology obsolete.

If we obtain the FDA's approval for our PMC laser system, we will face competition for market acceptance and market share for that product. Our ability to compete may depend in significant part on the timing of introduction of competitive products into the market, and will be affected by the pace, relative to competitors, at which we are able to:

develop products;

complete clinical testing and regulatory approval processes;

obtain third party reimbursement acceptance; and

supply adequate quantities of the product to the market.

***Third party intellectual property rights may limit the development and protection of our intellectual property, which could adversely affect our competitive position.***

Our success is dependent in large part on our ability to:

obtain patent protection for our products and processes;

preserve our trade secrets and proprietary technology; and

operate without infringing upon the patents or proprietary rights of third parties.

The medical device industry has been characterized by extensive litigation regarding patents and other intellectual property rights. Companies in the medical device industry have employed intellectual property litigation to gain a competitive advantage. Certain competitors and potential competitors of ours have obtained United States patents covering technology that could be used for certain TMR and PMC procedures. We do not know if such competitors, potential competitors or others have filed and hold international patents covering other TMR or PMC technology. In addition, international patents may not be interpreted the same as any counterpart United States patents.

While we periodically review the scope of our patents and other relevant patents of which we are aware, the question of patent infringement involves complex legal and factual issues. Any conclusion regarding infringement may not be consistent with the resolution of any such issues by a court.

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***Costly litigation may be necessary to protect intellectual property rights.***

We may have to engage in time consuming and costly litigation to protect our intellectual property rights or to determine the proprietary rights of others. In addition, we may become subject to patent infringement claims or litigation, or interference proceedings declared by the United States Patent and Trademark Office to determine the priority of inventions.

Defending and prosecuting intellectual property suits, United States Patent and Trademark Office interference proceedings and related legal and administrative proceedings are both costly and time-consuming. We may be required to litigate further to:

enforce our issued patents;

protect our trade secrets or know-how; or

determine the enforceability, scope and validity of the proprietary rights of others.

Any litigation or interference proceedings will result in substantial expense and significant diversion of effort by technical and management personnel. If the results of such litigation or interference proceedings are adverse to us, then the results may:

subject us to significant liabilities to third parties;

require us to seek licenses from third parties;

prevent us from selling our products in certain markets or at all; or

require us to modify our products.

Although patent and intellectual property disputes regarding medical devices are often settled through licensing and similar arrangements, costs associated with such arrangements may be substantial and could include ongoing royalties. Furthermore, we may not be able to obtain the necessary licenses on satisfactory terms, if at all.

Adverse determinations in a judicial or administrative proceeding or failure to obtain necessary licenses could prevent us from manufacturing and selling our products. This would harm our business.

The United States patent laws have been amended to exempt physicians, other health care professionals, and affiliated entities from infringement liability for medical and surgical procedures performed on patients. We are not able to predict if this exemption will materially affect our ability to protect our proprietary methods and procedures.

***We rely on patent and trade secret laws, which are complex and may be difficult to enforce.***

The validity and breadth of claims in medical technology patents involve complex legal and factual questions and, therefore, may be highly uncertain. Issued patent or patents based on pending patent applications or any future patent application may not exclude competitors or may not provide a competitive advantage to us. In addition, patents issued or licensed to us may not be held valid if subsequently challenged and others may claim rights in or ownership of such patents.

Furthermore, we cannot assure you that our competitors:

have not developed or will not develop similar products;

will not duplicate our products; or

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will not design around any patents issued to or licensed by us.

Because patent applications in the United States were historically maintained in secrecy until the patents are issued, we cannot be certain that:

others did not first file applications for inventions covered by our pending patent applications; or

we will not infringe any patents that may issue to others on such applications.

***We may suffer losses from product liability claims if our products cause harm to patients.***

We are exposed to potential product liability claims and product recalls. These risks are inherent in the design, development, manufacture and marketing of medical devices. We could be subject to product liability claims if the use of our TMR or PMC laser systems is alleged to have caused adverse effects on a patient or such products are believed to be defective. Our products are designed to be used in life-threatening situations where there is a high risk of serious injury or death. We are not aware of any material side effects or adverse events arising from the use of our TMR product. Though we are in the process of responding to the FDA's Circulatory Devices Panel's recent recommendation against approval of our PMC product because of concerns over the safety of the device and the data regarding adverse events in the clinical trials, we believe there are no material side effects or adverse events arising from the use of our PMC product. When being clinically investigated, it is not uncommon for new surgical or interventional procedures to result in a higher rate of complications in the treated population of patients as opposed to those reported in the control group. In light of this, we believe that the difference in the rates of complications between the treated groups and the control groups in the clinical trials for our PMC product are not statistically significant, which is why we believe that there are no material side effects or material adverse events arising from the use of our PMC product.

Any regulatory clearance for commercial sale of these products will not remove these risks. Any failure to comply with the FDA's good manufacturing practices or other regulations could hurt our ability to defend against product liability lawsuits.

***Our insurance may be insufficient to cover product liability claims against us.***

Our product liability insurance may not be adequate for any future product liability problems or continue to be available on commercially reasonable terms, or at all.

If we were held liable for a product liability claim or series of claims in excess of our insurance coverage, such liability could harm our business and financial condition. We maintain insurance against product liability claims in the amount of \$10 million per occurrence and \$10 million in the aggregate.

We may require increased product liability coverage as sales of approved products increase and as additional products are commercialized. Product liability insurance is expensive and in the future may not be available on acceptable terms, if at all.

***We depend heavily on key personnel and turnover of key employees and senior management could harm our business.***

Our future business and results of operations depend in significant part upon the continued contributions of our key technical and senior management personnel. They also depend in significant part upon our ability to attract and retain additional qualified management, technical, marketing and sales and support personnel for our operations. If we lose a key employee or if a key employee fails to perform in his or her current position, or if we are not able to attract and retain skilled employees as needed, our business could suffer. Significant turnover in our senior management could significantly deplete our institutional knowledge held by our existing senior management team. We depend on the skills and abilities of these key employees in managing the manufacturing, technical, marketing and sales aspects of our business, any part of which could be harmed by further turnover.

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***We sell our products internationally which subjects us to specific risks of transacting business in foreign countries.***

In future quarters, international sales may become a significant portion of our revenue if our products become more widely used outside of the United States. Our international revenue is subject to the following risks, the occurrence of any of which could harm our business:

foreign currency fluctuations;

economic or political instability;

foreign tax laws;

shipping delays;

various tariffs and trade regulations;

restrictions and foreign medical regulations;

customs duties, export quotas or other trade restrictions; and

difficulty in protecting intellectual property rights.

***If an Event of Default Occurs Under the Convertible Note Issued to Laurus, It Could Seriously Harm Our Operations.***

On October 26, 2004, we issued a \$6,000,000 secured convertible term note to Laurus. The note and related agreements contain numerous events of default which include:

A failure to pay interest and principal payments when due;

a breach by us of any material covenant or term or condition of the note or any agreement made in connection therewith;

a breach by us of any material representation or warranty made in the note or in any agreement made in connection therewith;

if we make an assignment for the benefit of our creditors, or a receiver or trustee is appointed for us;

any form of bankruptcy or insolvency proceeding is instituted by or against us and is not dismissed within 60 days;

any money judgment entered or filed against us for more than \$50,000 and remains unresolved for 30 days;

our failure to timely deliver shares of common stock when due upon conversions of the note;

our common stock is suspended for 5 consecutive days or 5 days during any 10 consecutive days from a principal market;

we experience an event of default under any other debt obligations; and

we experience a loss, damage or encumbrance upon collateral securing the Laurus debt which is valued at more than \$100,000 and is not timely mitigated.

If we default on the note and the holder demands all payments due and payable, the cash required to pay such amounts would most likely come out of working capital and non current assets, which may not be sufficient to repay

the amounts due. In addition, since we rely on our working capital for our day to day operations, such a default on



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the note could materially adversely effect our business, operating results or financial condition to such extent that we are forced to restructure, file for bankruptcy, sell assets or cease operations. Further, our obligations under the note are secured by all of our assets. Failure to fulfill our obligations under the note and related agreements could lead to loss of these assets, which would be detrimental to our operations.

***We may incur significant non-operating, non-cash charges resulting from changes in the fair value of warrants and derivatives.***

In October 2004, we entered into a secured convertible term note agreement with Laurus Funds. Pursuant to the Note agreement, a warrant to purchase 2.6 million shares of our common stock was issued to Laurus. This warrant, along with multiple embedded derivatives in the agreement, have been recorded at their relative fair value at the inception date of the agreement, October 27, 2004, and will be recorded at fair value at each subsequent balance sheet date. Any change in value between reporting periods will be recorded as a non-operating, non-cash charge at each reporting date. The impact of these non-operating, non-cash charges could have an adverse effect on our stock price in the future.

The fair value of the warrant and derivatives is tied in large part to our stock price. If our stock price increases between reporting periods, the warrant and derivatives become more valuable. As such, there is no way to forecast what the non-operating, non-cash charges will be in the future or what the future impact will be on our financial statements.

***The restrictions on our activities contained in the Laurus financing documents could negatively impact our ability to obtain financing from other sources.***

The Laurus financing documents restrict us from obtaining additional debt financing, subject to certain specified exceptions. To the extent that Laurus declined to approve a debt financing that does not otherwise qualify for an exception to the consent requirement, we would be unable to obtain such debt financing. In addition, subject to certain exceptions, we have granted to Laurus a right of first refusal to provide additional financing to us in the event that we propose to engage in additional debt financing or to sell any of our equity securities. Laurus' s right of first refusal could act as a deterrent to third parties which may be interested in providing us with debt financing or purchasing our equity securities. To the extent that such a financing is required for us to conduct our operations, these restrictions could materially adversely impact our ability to achieve our operational objectives.

***Low market prices for our common stock would result in greater dilution to our shareholders, and could negatively impact our ability to convert the Laurus debt into equity***

The market price of our common stock significantly impacts the extent to which we are permitted to convert the unrestricted and restricted portions of the Laurus debt into shares of our common stock. The lower the market price of our common stock as of the respective times of conversion, the more shares we will need to issue to Laurus to convert the principal and interest payments then due on the unrestricted portion of the debt. If the market price of our common stock falls below certain thresholds, we will be unable to convert any such repayments of principal and interest into equity, and we will be forced to make such repayments in cash, which we currently forecast will be required to sustain our operations. Our operations could be materially adversely impacted if we are forced to make repeated cash payments on the unrestricted portion of the Laurus debt. Further, prior to the full repayment of the unrestricted portion of the Laurus debt, we will only be able to require conversions of the \$3,000,000 restricted cash amount to the extent the market price of our common stock exceeds certain levels. To the extent that the market price of our common stock does not reach such specified levels, we will be not be entitled to take possession of any of the restricted cash during the term of the Laurus note. Our inability to access such cash could limit our ability to achieve our operational objectives. The restricted portion of the debt will continue to accrue interest during the entire period that we are unable to require conversion. In addition, to the extent that conversions of the restricted portion of the debt are not effected during the term of the note, we have only a limited ability to convert a specified amount of the restricted debt (subject to meeting certain minimum market price thresholds and volume requirements), and we will be required to repay the remaining restricted principal and interest in cash. The cash required to pay such amounts would most likely come out of working capital and restricted cash, which may not be sufficient to repay the amounts due.

**Table of Contents*****Future sales of our common stock could lower our stock price.***

The sale of our common stock by the holders of the Laurus debt upon conversion of all or any portion of the Laurus debt could cause the market price of our common stock to decline. In addition, if our shareholders sell substantial amounts of our common stock, including shares issuable upon exercise of options or warrants or shares issued in previous financings, in the public market, the market price of our common stock could decline. If these sales were to occur, we may also find it more difficult to sell equity or equity-related securities in the future at a time and price that we deem appropriate and desirable.

In the future, we may issue additional shares in public or private offerings. We cannot predict the size of future issuances of our common stock or the effect, if any, that future issuances and sales of our common stock would have on the market price of our common stock. We expect that Laurus will generally promptly sell any shares into which the Laurus indebtedness is converted, and that the market price of our common stock could decline as a result of such sales.

***Provisions of our certificate of incorporation as well as our rights agreement could discourage potential acquisition proposals and could deter or prevent a change of control.***

Our articles of incorporation authorize our board of directors, subject to any limitations prescribed by law, to issue shares of preferred stock in one or more series without shareholder approval. On August 17, 2001 we adopted a shareholder rights plan, as amended, and under the rights plan, our board of directors declared a dividend distribution of one right for each outstanding share of common stock to shareholders of record at the close of business on August 30, 2001. Pursuant to the Rights Agreement, in the event (a) any person or group acquires 15% or more of our then outstanding shares of voting stock (or 21% or more of our then outstanding shares of voting stock in the case of State of Wisconsin Investment Board), (b) a tender offer or exchange offer is commenced that would result in a person or group acquiring 15% or more of our then outstanding voting stock, (c) we are acquired in a merger or other business combination in which we are not the surviving corporation or (d) 50% or more of our consolidated assets or earning power are sold, then the holders of our common stock are entitled to exercise the rights under the Rights Plan, which include, based on the type of event which has occurred, (i) rights to purchase preferred shares from us, (ii) rights to purchase common shares from us having a value twice that of the underlying exercise price, and (iii) rights to acquire common stock of the surviving corporation or purchaser having a market value of twice that of the exercise price. The rights expire on August 17, 2011, and may be redeemed prior thereto at \$.001 per right under certain circumstances. The Board's ability to issue preferred stock without shareholder approval while providing desirable flexibility in connection with financings, acquisitions and other corporate purposes, and the existence of the rights plan might discourage, delay or prevent a change in the ownership of our company or a change in our management. In addition, these provisions could limit the price that investors would be willing to pay in the future for shares of our common stock.

***Changes in, or interpretations of, accounting rules and regulations could result in unfavorable accounting charges.***

We prepare our consolidated financial statements in conformity with generally accepted accounting principles. These principles are subject to interpretation by the SEC and various bodies formed to interpret and create appropriate accounting policies. A change in these policies can have a significant effect on our reported results and may even retroactively affect previously reported transactions. To the extent that such interpretations or changes in policies negatively impact our reported financial results, our results of stock price could be adversely affected.

***Recent rulemaking by the Financial Accounting Standards Board will require us to expense equity compensation given to our employees and could significantly harm our operating results and may reduce our ability to effectively utilize equity compensation to attract and retain employees.***

We historically have used stock options as a component of our employee compensation program in order to align employees' interests with the interests of our stockholders, encourage employee retention, and provide competitive compensation packages. The Financial Accounting Standards Board has adopted changes that will require companies to record a charge to earnings for employee stock option grants and other equity incentives for annual periods that begin after June 15, 2005. This accounting change will reduce our reported earnings and may require us to reduce



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the availability and amount of equity incentives provided to employees, which may make it more difficult for us to attract, retain and motivate key personnel. Each of these results could materially and adversely affect our business. *While we believe that we currently have adequate internal controls over financial reporting, we are exposed to risks from recent legislation requiring companies to evaluate those internal controls.*

Section 404 of the Sarbanes-Oxley Act of 2002 requires our management to report on, and our independent registered public accounting firm to attest to, the effectiveness of our internal control structure and procedures for financial reporting. We are developing a program to perform the system and process evaluation and testing necessary to comply with these requirements on a sustained basis. Companies do not have significant experience in complying with these requirements on an ongoing and sustained basis. As a result, we expect to continue to incur increased expense and to devote management resources to Section 404 compliance. In the event that our chief executive officer, chief financial officer or our independent registered public accounting firm determine that our internal control over financial reporting is not effective as defined under Section 404, investor perceptions of CardioGenesis may be adversely affected and could cause a decline in the market price of our stock.

**Item 3. Quantitative and Qualitative Disclosures About Market Risk**

We are exposed to market risks inherent in our operations, primarily related to interest rate risk and currency risk. These risks arise from transactions and operations entered into in the normal course of business. We do not use derivatives to alter the interest characteristics of our marketable securities. However, we do have multiple embedded derivatives included in the Note entered into with Laurus Master Fund in October 2004. Pursuant to the Note agreement, a warrant to purchase 2.6 million shares of our common stock was issued to Laurus. This warrant, along with multiple embedded derivatives in the agreement, have been recorded at their relative fair value at the inception date of the agreement, October 27, 2004, and will be recorded at fair value at each subsequent balance sheet date. Any change in value between reporting periods will be recorded as a non-operating, non-cash charge at each reporting date. The impact of these non-operating, non-cash charges could have an adverse effect on our stock price in the future.

The fair value of the warrant and derivatives is tied in a large part to our stock price. If our stock price increases between reporting periods, the warrant and derivatives become more valuable. As such, there is no way to forecast what the non-operating, non-cash charges will be in the future or what the future impact will be on our financial statements.

We are subject to interest rate risks on cash and cash equivalents and any future financing requirements. Our primary interest rate risk exposures relate to the impact of interest rate movements on our ability to obtain adequate financing to fund future operations. We are also exposed to interest rate risk on our note payable obligation resulting from the Note. This Note bears an interest rate of prime plus 2%, and as such, is exposed to variability. In the future, the interest rate could be increased to levels that would have a material effect on our financial statements.

The following table presents the future principal cash flows or amounts and related weighted average effective interest rates expected by year for our existing cash and cash equivalents and long-term debt instruments:

	2005	2006	2007	2008	2009	Total Fair Value
	In Thousands					
<b>Assets</b>						
Cash, cash equivalents	\$2,258	\$	\$	\$	\$	\$ 2,258
Weighted average interest rate	4.9%					4.9%
<b>Liabilities</b>						
Fixed rate debt lease obligation	\$ 6	\$ 6	\$ 5	\$ 3	\$	\$ 20
Weighted average interest rate	6.8%	6.8%	6.8%	6.8%		6.8%
Variable rate note payable, net of restricted	\$1,200	\$1,200	\$300	\$	\$	\$ 2,700

cash  
Weighted average  
effective interest rate(1)                      20%                      20%                      20%                      20%

(1) Includes interest  
expense at  
6.75%,  
accretion of the  
debt discount,  
and  
amortization of  
debt issuance  
costs related to  
the secured  
convertible term  
note.

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We do not hedge any balance sheet exposures and intercompany balances against future movements in foreign exchange rates. Given the relatively small number of foreign currency transactions, we do not believe that our potential exposure related to currency rate movements would have a material impact on future net income or cash flows.

**Item 4. Controls and Procedures**

Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, we have evaluated the effectiveness of our disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended) as of the end of the period covered by this report, which we refer to as the Evaluation Date. Based on such evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that, as of the Evaluation Date, our disclosure controls and procedures are effective to provide reasonable assurance that information required to be disclosed by us in our periodic reports under the Exchange Act is recorded, processed, summarized and reported within the time periods specified by the Securities and Exchange Commission rules and forms, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

During the fiscal quarter ended June 30, 2005, no change in our internal control over financial reporting occurred that materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

**Part II Other Information****Item 1. Legal Proceedings**

In November 2003, our employment relationship with Darrell Eckstein, our former President, Chief Operating Officer, Acting Chief Financial Officer, Chief Accounting Officer, Treasurer and Secretary was terminated. In connection with the termination of his employment and his employment agreement with the Company, Mr. Eckstein brought a breach of contract claim (among other claims) against the Company whereby he sought unspecified monetary damages. On August 9, 2005, the Company entered into a settlement agreement with Mr. Eckstein with respect to all of his claims against the Company. The Company denied any wrongdoing as part of the settlement. The total settlement amount was \$600,000, of which \$400,000 is due on or before August 16, 2005 and the balance of \$200,000 is due in January 2006. In accordance with the settlement agreement, the Company received a release of all claims.

**Item 2. Unregistered Sales of Equity Securities and Use of Proceeds**

From April 1 through June 30, 2005, Laurus elected to convert an aggregate of \$317,000 of principal and interest under the Note into an aggregate of 763,000 shares of Cardiogenesis common stock at conversion prices ranging from \$0.36 to \$0.50 per share. Of this amount, \$48,000 in principal was converted into shares of common stock and a corresponding amount was released from restricted cash as available for use by the Company in the first six months of 2005. The issuance of shares upon conversion was made in reliance upon Section 4(2) of the Securities Act of 1933, as amended.

**Item 6. Exhibits**

The exhibits below are filed or incorporated herein by reference.

Exhibit No.	Description
3.1.1 (1)	Restated Articles of Incorporation, as filed with the California Secretary of State on May 1, 1996

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<b>Exhibit No.</b>	<b>Description</b>
3.1.2 (2)	Certificate of Amendment of Restated Articles of Incorporation, as filed with California Secretary of State on July 18, 2001
3.1.3 (3)	Certificate of Determination of Preferences of Series A Preferred Stock, as filed with the California Secretary of State on August 23, 2001
3.1.4 (4)	Certificate of Amendment of Restated Articles of Incorporation, as filed with the California Secretary of State on January 23, 2004
3.2 (5)	Amended and Restated Bylaws
4.1 (6)	Form of Common Stock Purchase Warrant issued in connection with Facilities Lease for 26632 Towne Center Drive, Suite 320, Foothill Ranch, California
4.2 (7)	Third Amendment to Rights Agreement, dated October 26, 2004, between the Company and Equiserve Trust Company N.A
4.3 (8)	Second Amendment to Rights Agreement, dated as of January 21, 2004, between Cardiogenesis Corporation and EquiServe Trust Company, N.A., as Rights Agent
4.4 (9)	First Amendment to Rights Agreement, dated as of January 17, 2002, between Cardiogenesis Corporation and EquiServe Trust Company, N.A., as Rights Agent
4.5 (10)	Rights Agreement, dated as of August 17, 2001, between Cardiogenesis Corporation and EquiServe Trust Company, N.A., as Rights Agent
4.6 (11)	Securities Purchase Agreement, dated as of January 21, 2004, by and among Cardiogenesis Corporation and each of the investors identified therein
4.7 (12)	Registration Rights Agreement, dated as of January 21, 2004, by and among Cardiogenesis Corporation and the investors identified therein
4.8 (13)	Form of Common Stock Purchase Warrant, dated January 21, 2004, having an exercise price of \$1.37 per share
4.9 (14)	Form of Common Stock Purchase Warrant, dated January 21, 2004, having an exercise price of \$1.00 per share
4.10 (15)	Securities Purchase Agreement, dated October 26, 2004, between the Company and Laurus Master Fund, Ltd.
4.11 (16)	Secured Convertible Term Note, dated October 26, 2004, in favor of Laurus Master Fund, Ltd.
4.12 (17)	Registration Rights Agreement, dated October 26, 2004, between the Company and Laurus Master Fund, Ltd.
4.13 (18)	Common Stock Purchase Warrant, dated October 26, 2004, in favor of Laurus Master Fund, Ltd.

- 4.14 (19) Security Agreement, dated October 26, 2004, in favor of Laurus Master Fund, Ltd.
- 31.1 (20) Certification of the Chief Executive Officer pursuant to Rule 13a-14(a) of Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
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- 32.1 (20) Certifications of the Chief Executive Officer and Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002



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- (1) Incorporated by reference to Exhibit 3.1 to the Registrant's Registration Statement on Form S-1/A (File No. 33-03770), filed on May 21, 1996
- (2) Incorporated by reference to Exhibit 3.2 to the Registrant's Quarterly Report on Form 10-Q filed on August 14, 2001
- (3) Incorporated by reference to Exhibit 4.2 to the Registrant's Current Report on Form 8-K filed on August 14, 2001
- (4) Incorporated by reference to Exhibit 3.1.4 to the Registrant's Annual Report on Form 10-K filed on March 10, 2004
- (5) Incorporated by reference to Exhibit 3.1.5 to the Registrant's Annual Report on Form 10-K filed on March 10, 2004

- (6) Incorporated by reference to Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q/A filed on August 16, 2001
- (7) Incorporated by reference to Exhibit 4.1 to the Registrant's Current Report on Form 8-K filed October 28, 2004
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- (11) Incorporated by reference to Exhibit 4.4 to the Registrant's Current Report

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- (20) Filed herewith

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**CARDIOGENESIS CORPORATION  
SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

**CARDIOGENESIS CORPORATION**  
Registrant

Date: August 15, 2005

/s/ Michael J. Quinn

Michael J. Quinn  
Chief Executive Officer, Chairman of the Board and  
Director  
(Principal Executive Officer)

Date: August 15, 2005

/s/ Christine Ocampo

Christine Ocampo  
Vice President, Chief Financial Officer  
(Principal Accounting and Financial Officer,  
Secretary and Treasurer)

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(19) Incorporated by reference to Exhibit 4.6 to the Registrant's Current Report on Form 8-K filed October 28, 2004

(20) Filed herewith