UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT PURSUANT

TO SECTION 13 OR 15(D) OF THE

SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported): May 3, 2007

LeMaitre Vascular, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

001-33092 (Commission File Number) 04-2825458 (IRS Employer Identification No.)

63 Second Avenue Burlington, Massachusetts (Address of Principal Executive Offices) 01803 (Zip Code)

(781) 221-2266

(Registrant s Telephone Number, Including Area Code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02 Results of Operations and Financial Condition.

On May 3, 2007, LeMaitre Vascular, Inc. issued a press release regarding its financial and operational results for the first quarter ended March 31, 2007. A copy of the press release is furnished as Exhibit 99.1 to this report.

The information in this report, including the Exhibit attached hereto, is intended to be furnished and shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934 (the Exchange Act) or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933 or the Exchange Act, except as expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits

Exhibit No. Description

Press release issued by LeMaitre Vascular, Inc. on May 3, 2007 announcing its financial and operational results for the first quarter ended March 31, 2007, furnished herewith.

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 hereunto duly authorized.

LEMAITRE VASCULAR, INC.

Dated: May 3, 2007 By: /s/ Aaron M. Grossman

Name: Aaron M. Grossman

Title: Vice President, General Counsel and Secretary

EXHIBIT INDEX

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