ARRHYTHMIA RESEARCH TECHNOLOGY INC /DE/
Form 8-K
May 14, 2013

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 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 10, 2013

Arrhythmia Research Technology, Inc.
(Exact name of registrant as specified in its charter)

Delaware	1-9731	72-0925679
(State or other jurisdiction of Incorporation or organization)	(Commission File Number)	(I.R.S. Employer Identification Number)

25 Sawyer Passway
Fitchburg, MA 01420
(Address of principal executive offices and zip code)

(978) 345-5000
(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 (see General Instruction A.2. below):

[ ] 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 7.01 Regulation FD Disclosure.

On May 10, 2013 the Company announced positive results of the Company's Signal-Averaged Electrocardiography (SAECG) technology employed in a multi-center clinical trial that studied 484 patients with prior myocardial infarction (heart attack). Twenty two major cardiac centers including University of Rochester, Duke University, University of Pennsylvania and UMass Memorial Hospital participated in this study. The patients enrolled were considered at high risk of ventricular arrhythmias because of low ejection fraction (EF ≤ 35%). Patients received implantable cardiac defibrillators (ICD) as primary prevention against sudden cardiac death. The multi-center study assessed these patients for ventricular arrhythmia risk using more than ten different ECG-based diagnostic methodologies and algorithms, including 12-lead ECG, 24-hour Holter monitoring, T wave alternans and SAECG-derived parameters. From this large battery of ECG tests, only the Company's SAECG-derived low QRS waveform voltage, along with frequent premature ventricular beats from Holter recordings, were found to be significantly predictive of ventricular arrhythmias. The full text of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated by reference into this Item 7.01.

The information in this Item 7.01 disclosure, including Exhibit 99.1, is being furnished and shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities under that Section. In addition, the information in this Item 7.01 disclosure, including Exhibit 99.1, shall not be incorporated by reference into the filings of the Registrant under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
99.01	Press Release dated May 10, 2013.

SIGNATURE

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, in the City of Fitchburg, Commonwealth of Massachusetts, on the 14th day of May, 2013.

ARRHYTHMIA RESEARCH TECHNOLOGY, INC.

By: /s/ David A. Garrison
David A. Garrison
Executive Vice President and
Chief Financial Officer

Exhibit Index

Exhibit	Description
99.01	Press Release dated May 10, 2013.