
**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): February 27, 2017

Amedica Corporation

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction
of incorporation)

001-33624

(Commission
File Number)

84-1375299

(IRS Employer
Identification No.)

**1885 West 2100 South
Salt Lake City, UT**

(Address of principal executive offices)

84119

(Zip Code)

Registrant's telephone number, including area code: **(801) 839-3500**

(Former Name or Former Address, if Changed Since Last Report)

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))
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Item 8.01 Other Events.

On February 27, 2017, Amedica Corporation issued a press release announcing results of independent femoral head wear testing. A copy of the press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

99.1 Amedica Corporation Press Release dated February 27, 2017.

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 hereunto duly authorized.

AMEDICA CORPORATION

Date: February 27, 2017

/s/ B. Sonny Bal

B. Sonny Bal, MD
Chief Executive Officer



Amedica Announces Results of Independent Femoral Head Wear Testing

SALT LAKE CITY, February 27, 2017 – Amedica Corporation (Nasdaq:AMDA), an innovative biomaterial company which develops and manufactures silicon nitride as a platform for biomedical applications, announced today that Researchers from the Department of Orthopaedic Surgery of Tokyo Medical University (Shinjuku-ku, Tokyo, Japan) led by Professor Kengo Yamamoto MD PhD recently completed a five million cycle (Mc) comparative hip simulator study examining the wear behavior of an advanced highly cross-linked and vitamin E stabilized polyethylene (E1® Zimmer-Biomet, Warsaw, IN, USA) against two different types of ceramic femoral heads – MC²®silicon nitride (Amedica Corporation, Salt Lake City, UT, USA) and BIOLOX®delta (CeramTec, Plochingen, Germany). BIOLOX®delta is currently considered the “gold standard” for ceramic femoral head materials. While the polyethylene wear loss induced by both types of ceramic heads was extremely small (<0.60 mg/Mc), mean wear associated with MC²®silicon nitride heads was approximately 15% lower than the BIOLOX®delta components.

This independent wear study was conducted in accordance with international standards at the Medical Technology Laboratory of the Rizzoli Orthopaedic Institute (Bologna, Italy) by Professor Aldo Toni MD under the supervision of Dr. Saverio Affatato PhD (Rizzoli Institute) with consultation and support from Professor Giuseppe Pezzotti PhD (Ceramic Physics Laboratory, Kyoto Institute of Technology, Sakyo-ku, Kyoto Japan). Amedica and Zimmer-Biomet (Tokyo Office) provided the femoral heads and acetabular liners; however, neither company actively sponsored the research.

The testing was independently conceived by Professors Yamamoto and Pezzotti, and funded by the Department of Orthopaedic Surgery of Tokyo Medical University. This is the first reported improvement in polyethylene wear performance by a ceramic other than BIOLOX®delta; and it is part of a series of planned comparative wear tests that will culminate at 12 Mc. Further details of this interim hip simulation test will be provided in a joint publication planned for release in a scientific journal.

“We are thrilled, though not surprised, at the remarkable wear properties of silicon nitride femoral heads,” said Dr. B. Sonny Bal, CEO and President of Amedica Corporation. “Our previous work, already published in peer-review forums, has shown superb phase stability of silicon nitride *in vivo*, plus oxygen-scavenging properties that may confer long-term protection to polyethylene acetabular liners, along with bacterial resistance inherent in silicon nitride, toughness that is superior to any other biomaterial, and resistance to corrosion. The present wear data reflect the considerable scientific work that went into a thorough understanding of the surface chemistry and composition of our femoral heads, with development of engineering processes and proprietary methods that lead to a consistent, ultra-smooth articulating surface. Taken together, this favorable combination of properties, supported by scientific data, reflect material science advancements that are necessary to differentiate total hip replacements in an otherwise commoditized market, and more importantly, toward extending the longevity of hip replacements beyond the second decade of life, post-implantation. These data will contribute to our continuing work and dialogue with the FDA to get the product approved for use clinically.”

About Amedica Corporation

Amedica is focused on the development and application of medical-grade silicon nitride ceramics. Amedica markets spinal fusion products and is developing a new generation of wear- and corrosion-resistant implant components for hip and knee arthroplasty. The Company manufactures its products in its ISO 13485 certified manufacturing facility and, through its partnership with Kyocera, the world's largest ceramic manufacturer. Amedica's spine products are FDA-cleared, CE-marked, and are currently marketed in the U.S. and select markets in Europe and South America through its distributor network and its OEM partnerships.

For more information on Amedica or its silicon nitride material platform, please visit www.amedica.com.

Forward-Looking Statements

This press release contains statements that constitute forward-looking statements within the meaning of the Securities Act of 1933 and the Securities Exchange Act of 1934, as amended by the Private Securities Litigation Reform Act of 1995. These statements are based upon our current expectations and speak only as of the date hereof. Our actual results may differ materially and adversely from those expressed in any forward-looking statements as a result of various factors and uncertainties. For example, there can be no assurance that we will be able to maintain our listing on any NASDAQ market. Other factors that could cause actual results to differ materially from those contemplated within this press release can also be found in Amedica's Risk Factors disclosure in its Annual Report on Form 10-K, filed with the Securities and Exchange Commission (SEC) on March 23, 2016, and in Amedica's other filings with the SEC. Forward-looking statements contained in this press release speak only as of the date of this press release. We undertake no obligation to update any forward-looking statements as a result of new information, events or circumstances or other factors arising or coming to our attention after the date hereof.

Contact:

Amedica IR
801-839-3502
IR@amedica.com
