



DIVISION OF
CORPORATION FINANCE

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

December 11, 2012

Via E-mail

Mr. Robert B. Stockman
Chief Executive Officer and Chairman of the Board
Reva Medical, Inc.
5751 Copley Drive
San Diego, CA 92111

Re: Reva Medical, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2011
Filed February 28, 2012
File No. 000-54192

Dear Mr. Stockman:

We have completed our review of your filing. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filing and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Kevin L. Vaughn for

Martin James
Senior Assistant Chief Accountant