

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

DIVISION OF CORPORATION FINANCE

September 23, 2013

<u>Via E-mail</u> Mr. Michael Beecher Chief Financial Officer Vasomedical, Inc. 180 Linden Avenue Westbury, New York 11590

> RE: Vasomedical, Inc. Form 10-K for Fiscal Year Ended December 31, 2012 Filed April 1, 2013 File No. 000-18105

Dear Mr. Beecher:

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

Kevin L. Vaughn Accounting Branch Chief