



DIVISION OF
CORPORATION FINANCE

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

July 11, 2012

Via E-mail

Uri Ben-Or, Chief Financial Officer
Topspin Medical, Inc.
16 Hatidhar St.
P.O.Box 4131
Raanana, Israel 43652

Re: Topspin Medical, Inc
Form 10-K for the Fiscal Year Ended December 31, 2011
Filed March 30, 2012
File No. 333-144472

Dear Mr. Ben-Or:

We issued comments to you on the above captioned filing on May 8, 2012. As of the date of this letter, these comments remain outstanding and unresolved. We expect you to provide a complete, substantive response to these comments by July 25, 2012.

If you do not respond, we will, consistent with our obligations under the federal securities laws, decide how we will seek to resolve material outstanding comments and complete our review of your filings and your disclosure. Among other things, we may decide to release publicly, through the agency's EDGAR system, all correspondence, including this letter, relating to the review of your filing, consistent with the staff's decision to release publicly comment letters and response letters relating to disclosure filings it has reviewed. You can find more information about the staff's decision to release filing correspondence at <http://www.sec.gov/divisions/corpfin/cfannouncements/edgarcorrespondence.htm>, <http://www.sec.gov/news/press/2004-89.htm> and <http://www.sec.gov/news/press/2005-72.htm>.

Please contact Gary Newberry at 202-551-3761, Kevin Vaughn at 202-551-3643 or me at 202-551-3528 if you have any questions.

Sincerely,

/s/ Amanda Ravitz

Amanda Ravitz
Assistant Director

cc: Ben Strauss, Esq., Pepper Hamilton LLP