



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

December 14, 2015

Via E-mail

Mr. Joshua Kornberg
President, Chief Executive Officer and Director
Skyline Medical, Inc.
2915 Commers Drive, Suite 900
Eagan, Minnesota 55121

Re: Skyline Medical, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2014
Filed April 30, 2015
File No. 001-36790

Dear Mr. Kornberg:

We have completed our review of your filings. 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 filings 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 filings to be certain that the filings include the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Kevin Kuhar

Kevin Kuhar
Accounting Branch Chief
Office of Electronics and Machinery