



DIVISION OF
CORPORATION FINANCE

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

October 21, 2013

Via Email

Mr. Brian K. Hutchison
Chief Executive Officer
RTI Surgical, Inc.
11621 Research Circle
Alachua, Florida 32615

Re: RTI Surgical, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2012
Filed February 26, 2013
File No.: 000-31271

Dear Mr. Hutchison:

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