



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

September 4, 2018

Via E-mail

Rajesh J. Asarpota
Chief Financial Officer
NuVasive, Inc.
7475 Lusk Boulevard
San Diego, CA 92121

Re: NuVasive, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2017
Filed February 26, 2018
File No. 000-50744

Dear Mr. Asarpota:

We have completed our review of your filings. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/ Kevin J. Kuhar

Kevin J. Kuhar
Accounting Branch Chief
Office of Electronics and Machinery