



DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

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

May 17, 2011

William R. Jellison
Senior Vice President and Chief Financial Officer
DENTSPLY International Inc.
221 West Philadelphia Street
York, PA 17405-0872

Re: DENTSPLY International Inc.
Form 10-K for the fiscal year ended December 31, 2010
Filed February 18, 2011
File No. 0-16211

Dear Mr. Jellison:

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 includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

Brian Cascio
Accounting Branch Chief