



DIVISION OF  
CORPORATION FINANCE

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

July 11, 2011

Via E-mail

Mr. Brian Neill  
Chief Financial Officer  
Medical Connections Holdings, Inc.  
4800 T-Rex Avenue, Suite 310  
Boca Raton, FL 33431

**RE: Medical Connections Holdings, Inc.**  
**Form 8-K for the period ended June 30, 2011**  
**Filed July 5, 2011**  
**File No. 333-72376**

Dear Mr. Neill:

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/ William H. Demarest IV

William H. Demarest IV  
Accountant