



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

DIVISION OF  
CORPORATION FINANCE

October 19, 2022

Keith Gottesdiener, M.D.  
President and Chief Executive Officer  
Prime Medicine, Inc.  
21 Erie Street  
Cambridge, MA 02139

**Re: Prime Medicine, Inc.  
Amendment No. 2 to Registration Statement on Form S-1  
Exhibit Nos. 10.13 - 10.16  
Filed October 17, 2022  
File No. 333-267579**

Dear Dr. Gottesdiener:

We have concluded our assessment of your redacted exhibits for compliance with applicable form requirements and will process your supplemental response and related materials in accordance with your request.

Sincerely,

Division of Corporation Finance

cc: Gabriela Morales-Rivera, Esq.