TITAN MEDICAL

April 4, 2023

Jasminder Brar Vice President, Legal & IP, & General Counsel Titan Medical Inc.

416.628.6875 Direct Jasminder.brar@titanmedicalinc.com

VIA EDGAR

Securities and Exchange Commission 100 F Street N.E. Washington, D.C. 20549 USA

Re: Titan Medical Inc.

Request to Withdraw Post-Effective Amendment to Form S-8

(File No. 333-255497)

Ladies and Gentlemen:

Pursuant to Rule 477 of the Securities Act of 1933, as amended (the "Securities Act"), Titan Medical Inc. (the "Company") hereby requests withdrawal of its Post-Effective Amendment No. 1 to Registration Statement on Form S-8 (File No. 333-255497), together with all exhibits and amendments thereto (the "Registration Statement"), as the Registration Statement was filed with the Securities and Exchange Commission (the "Commission") in an incorrect manner. The Registration Statement was originally filed with the Commission on April 26, 2021 and was filed on a post-effective basis on April 4, 2023.

If you have any questions with respect to this request, please contact James Guttman, our outside counsel at Dorsey & Whitney LLP at (416) 367-7376 or the undersigned at (416) 628-6875.

Sincerely,

TITAN MEDICAL INC.

By /s/ Jasminder Brar

Name: Jasminder Brar

Title: Vice President, Legal & IP, & General Counsel