

TITAN MEDICAL INC.

170 University Avenue, Suite 1000
Toronto, Ontario, Canada
M5H 3B3

NOTICE OF ANNUAL MEETING OF SHAREHOLDERS

NOTICE IS HEREBY GIVEN that the annual meeting (the “**Meeting**”) of shareholders of Titan Medical Inc. (the “**Corporation**”) will be held at the offices of Borden Ladner Gervais LLP, Scotia Plaza, 40 King Street West, 44th Floor, Elliot Room, Toronto, ON M5H 3Y4, on **Wednesday, June 22, 2016** at 1:30 p.m., Toronto time, for the following purposes:

1. to receive and consider the financial statements of the Corporation for the fiscal year ended December 31, 2015, together with the report of the auditors thereon;
2. to elect directors of the Corporation;
3. to reappoint as auditors BDO Canada LLP, the incumbent auditors of the Corporation, and authorize the directors to fix the remuneration of the auditors; and
4. to transact such other business as may properly come before the Meeting or any adjournments thereof.

A copy of the information circular and form of proxy accompany this Notice.

Only shareholders of record as of May 18, 2016, the record date (the “**Record Date**”), are entitled to receive notice of the Meeting

The directors have fixed 5:00 p.m. on June 20, 2016 or the second last business day before any adjournment of the Meeting as the time before which proxies to be used at the Meeting (or any adjournment thereof) must be deposited with the Corporation or with Computershare Trust Company of Canada.

DATED the 20th day of May, 2016.

By Order of the Board

(signed) John Hargrove
Chair and Chief Executive Officer
Titan Medical Inc.