



Tel: 416 865 0200
Fax: 416 865 0887
www.bdo.ca

BDO Canada LLP
TD Bank Tower
66 Wellington Street West
Suite 3600, PO Box 131
Toronto ON M5K 1H1 Canada

September 13, 2016

British Columbia Securities Commission
Alberta Securities Commission
Ontario Securities Commission

Dear Sirs / Mesdames:

Re: Titan Medical Inc. (the "Company")

We refer to the Prospectus Supplement of Titan Medical Inc. (the "Company") dated September 13, 2016 to the Short Form Base Shelf Prospectus dated August 18, 2015 relating to the distribution of a minimum of 17,083,333 units and a maximum of 26,791,667 units at a price of CDN\$0.60 per unit, each unit consisting of one common share and one common share purchase warrant.

We consent to being named and to the use, through incorporation by reference in the above-mentioned Prospectus Supplement, of our report dated March 30, 2016 to the shareholders of the Company on the following financial statements:

- Balance sheets as at December 31, 2015 and December 31, 2014;
- Statements of shareholders' equity and deficit, net and comprehensive loss, and cash flows for the years ended December 31, 2015 and December 31, 2014, and a summary of significant accounting policies and other explanatory information.

We report that we have read the Prospectus Supplement and all information specifically incorporated by reference therein and have no reason to believe that there are any misrepresentations in the information contained therein that are derived from the financial statements upon which we have reported or that are within our knowledge as a result of our audit of such financial statements. We have complied with Canadian generally accepted standards for an auditor's consent to the use of a report of the auditor included in an offering document, which does not constitute an audit or review of the Prospectus Supplement as these terms are described in the CPA Canada Handbook - Assurance.

Yours truly,

BDO Canada LLP

Chartered Professional Accountants, Licensed Public Accountants