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Authors: Damian P. Raper, Jeremy Witchalls, Elissa J. Philips, Emma Knight, Michael K. Drew, Gordon Waddington



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## Use of a tibial accelerometer to measure ground reaction force in running: a reliability and validity comparison with force plates

Short title: Use of a tibial accelerometer to measure ground reaction force

Damian P Raper<sup>a,d,g</sup>, Jeremy Witchalls<sup>d,e</sup>, Elissa J Philips<sup>b</sup>, Emma Knight<sup>c</sup>, Michael K Drew<sup>a,d,f</sup> and Gordon Waddington<sup>a,d,e</sup>

### *Institution and Affiliation:*

- a) Australian Institute of Sport, Discipline of Physical Therapies, PO Box 176, Belconnen ACT
- b) Australian Institute of Sport, Discipline of Movement Science, PO Box 176, Belconnen ACT
- c) Australian Institute of Sport, Discipline of Performance Research, PO Box 176, Belconnen ACT
- d) University of Canberra, Discipline of Physiotherapy, University Drive, Bruce ACT
- e) University of Canberra, Research Institute for Sport and Exercise, University Drive, Bruce ACT
- f) Federation University, Australian Centre for Research in Sports Prevention, Lydiard Street South, Ballarat
- g) Geelong Cats Football Club, Department of Physiotherapy and Medicine, Kardinia Park, Geelong

*Corresponding author:* Damian P Raper. Email: damian.raper@gmail.com

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### **ABSTRACT**

**Objectives:** The use of microsensor technologies to conduct research and implement interventions in sports and exercise medicine has increased recently. The objective of this paper was to determine the validity and reliability of the ViPerform as a measure of load compared to vertical ground reaction force (GRF) as measured by force plates.

**Design:** Absolute reliability assessment, with concurrent validity.

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