



Design: Vicky Earle

Journal of the British Association of Sport and Exercise Medicine

Editor-in-Chief
Karim Khan (Canada)

Editors
Babette Pluim (Netherlands)
Kay Crossley (Australia)
Emmanuel Stamatakis (Australia)

Editorial Office
BMJ Publishing Group Ltd
BMA House
Tavistock Square
London WC1H 9JR, UK
E: bjsm@bmj.com
Twitter: @BJSM_BMJ

Guidelines for Authors and Reviewers
Full instructions are available online at <http://bjsm.bmj.com/pages/authors/>. Articles must be submitted electronically <http://bjsm.bmj.com/pages/authors/>. Authors retain copyright but are required to grant *BJSM* an exclusive licence to publish (<http://authors.bmj.com/submitting-your-paper/copyright-and-authors-rights/>).

ISSN: 0306-3674 (print)
ISSN: 1473-0480 (online)

Impact factor: 11.645

Disclaimer: *BJSM* is published by BMJ Publishing Group Ltd (a wholly owned subsidiary of the British Medical Association) and the British Association of Sport and Exercise Medicine. The owners grant editorial freedom to the Editor of *BJSM*. *BJSM* follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

BJSM is intended for medical professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group, the British Association of Sport and Exercise Medicine or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of *Heart* or any information in it whether based on contract, tort, or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright: © 2019 BMJ Publishing Group Ltd and British Association of Sport and Exercise Medicine. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without prior permission.

BJSM is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Ltd, Chennai, India and printed in the UK on acid-free paper.

British Journal of Sports Medicine (ISSN: 0306-3674) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 POSTMASTER: send address changes to *British Journal of Sports Medicine*, Air Business Ltd, c/o WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Contents

Volume 53 Issue 17 | **BJSM** September 2019

Editorial

- 1047** Drifting into unconsciousness: Jason Zircanos and the mystery of undetected hypothermia
M Tipton

Consensus statement

- 1048** Medical encounters (including injury and illness) at mass community-based endurance sports events: an international consensus statement on definitions and methods of data recording and reporting
M Schwellnus, C Kipps, W O Roberts, J A Drezner, P D'Hemecourt, C Troyanos, D C Janse van Rensburg, J Killops, J Borresen, M Harast, P E Adami, S Bermon, X Bigard, S Migliorini, E Jordaan, M Borjesson

Systematic reviews

- 1056** Injury epidemiology and risk factors in competitive artistic gymnasts: a systematic review
R A Campbell, E J Bradshaw, N B Ball, D L Pease, W Spratford
- 1070** Efficacy of heavy eccentric calf training for treating mid-portion Achilles tendinopathy: a systematic review and meta-analysis
M C Murphy, M J Travers, P Chivers, J R Debenham, S I Docking, E K Rio, W Gibson

Original articles

- 1078** How cold is too cold? Establishing the minimum water temperature limits for marathon swim racing
J Saycell, M Lomax, H Massey, M Tipton

Subscription information

British Journal of Sports Medicine is published monthly; subscribers receive all supplements

Institutional rates 2019

Print £888

Online Site licences are priced on FTE basis and allow access by the whole institution. Details available online at <http://journals.bmj.com/content/subscribers?bjsm>

Personal rates 2019

Print (includes online access at no additional cost)
£311

Online only £184

ISSN 0306-3674 (print); 1473-0480 (online)

Personal print or online only and institutional print subscriptions may be purchased online at <http://group.bmj.com/subscribe?bjsm> (payment by Visa/ Mastercard only) Residents of some EC countries must pay VAT; for details, call us or <http://journals.bmj.com/content/subscribers?bjsm>

1085



- Sports injury and illness incidence in the PyeongChang 2018 Olympic Winter Games: a prospective study of 2914 athletes from 92 countries
T Soligard, D Palmer, K Steffen, A D Lopes, M-E Grant, D Kim, S Y Lee, N Salmina, B G Toresdahl, J Y Chang, R Budgett, L Engebretsen

1093



- Common cold in Team Finland during 2018 Winter Olympic Games (PyeongChang): epidemiology, diagnosis including molecular point-of-care testing (POCT) and treatment
M Valtonen, M Waris, T Vuorinen, E Eerola, A J Hakanen, K Mjosund, W Grönroos, O J Heinonen, O Ruuskanen

1099

- Incidence rate and burden of illness at the PyeongChang 2018 Paralympic Winter Games
W Derman, P Runciman, E Jordaan, M Schwellnus, C Blaauwet, N Webbhorn, J Lexell, P van de Vliet, J Kissick, J Stomphorst, Y-H Lee, K-S Kim

1105



- Pharmacy services at the PyeongChang 2018 Olympic and Paralympic Winter Games
M Stuart, Y I Kwon, S J Rhie

1111

- Pre-participation health evaluation in adolescent athletes competing at Youth Olympic Games: proposal for a tailored protocol
P E Adami, M R Squeo, F M Quattrini, F M Di Paolo, C Pisicchio, B Di Giacinto, E Lemme, V Maestrini, A Pelliccia

1117

- Health promotion by International Olympic Sport Federations: priorities and barriers
M Mountjoy, A Junge, R Budgett, D Doerr, M Leglise, S Miller, J Moran, J Foster

Discussion

- 1127** Why not consider a sex factor within the ISO 11088 ski binding setting standard?
G Ruedl, M Burtcher



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



This article has been made freely available online under the BMJ Journals open access scheme.
See <http://bjsm.bmj.com/site/about/guidelines.xhtml#open>



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics
www.publicationethics.org.uk



The online version of this article contains multiple choice questions hosted on BMJ Learning.