

# British Journal of Sports Medicine

## Editor

Paul McCrory (Australia)

## North American editor

Karim Khan (Canada)

## Book review editor

Susan White (Australia)

## SportsMedUpdate editor

Martin Schwellnus (South Africa)

## Editorial board

H Alfredson (Sweden)	J Kerr (Japan)
F Arroyo (Mexico)	W B Kibler (USA)
R Bahr (Norway)	N Maffulli (UK)
M E Batt (UK)	J McConnell (Australia)
K Bennell (Australia)	A McIntosh (Australia)
T M Best (USA)	H McKay (Canada)
C Bladin (Australia)	C Milne (New Zealand)
S N Blair (USA)	J Moriarty (USA)
P Brukner (Australia)	T Noakes (South Africa)
D Caine (USA)	M O'Brien (Ireland)
L Castell (UK)	J Orchard (Australia)
D Chalmers (New Zealand)	P Renstrom (Sweden)
P Conaghan (UK)	W Roberts (USA)
M Cullen (UK)	M Schwellnus (South Africa)
G Davis (Australia)	R J Shephard (Canada)
W Derman (South Africa)	I Shrier (Canada)
J Dvorak (Switzerland)	J Taunton (Canada)
K B Fields (USA)	M Turner (UK)
C Finch (Australia)	W van Mechelen (The Netherlands)
P Fricker (Australia)	S P von Duvillard (USA)
P Holmich (Denmark)	A D J Webbhorn (UK)
K Johnston (Canada)	B Whipp (UK)
A M Jones (UK)	Editor, <i>BMJ</i>
B Jordan (USA)	
P Kannus (Finland)	
J Karlsson (Sweden)	

## Guidelines for authors and reviewers

Full instructions are available online at <http://bjsm.bmj.com/fora>

All papers must be submitted via Bench>Press at

<http://submit-bjsm.bmj.com>

## Subscription information

See inside back cover

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

## Disclaimer

The *British Journal of Sports Medicine* 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 BMA grants editorial freedom to the Editor of the *British Journal of Sports Medicine*. The *British Journal of Sports Medicine* 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. The *British Journal of Sports Medicine* 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 the *British Journal of Sports Medicine* 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

© 2007 BMJ Publishing Group and the 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 the prior permission of *British Journal of Sports Medicine*.

- Authors are required to grant *British Journal of Sports Medicine* an exclusive licence to publish; further details available online at <http://bjsm.bmj.com/fora/licence.dtl>
- *British Journal of Sports Medicine* is published by BMJ Publishing Group, copyedited by Macmillan India Ltd, typeset by The Charlesworth Group and printed in UK on acid-free paper by Cambrian Printers Limited, Aberystwyth
- Periodicals postage paid, Rahway, NJ. Postmaster: send address changes to: *British Journal of Sports Medicine*, c/o Mercury Airfreight International Ltd Inc, 365 Blair Road, Avenel, NJ 07001, USA



[www.publicationethics.org.uk](http://www.publicationethics.org.uk)

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

# contents BJSM

Volume 41 Number 3 March 2007



Effect of maximal exercise on zinc metabolism (pp 156–161)

Editor's choice article is freely available online (see pp 134–139)

## Warm up

- 125 A stitch in time *P McCrory*

## Review

- 126 The ingestible telemetric body core temperature sensor: a review of validity and exercise applications *C Byrne, C L Lim*

## Original articles

- 134 Topical ketoprofen TDS patch versus diclofenac gel: efficacy and tolerability in benign sport related soft-tissue injuries *F Esparza, C Cobián, J F Jiménez, J J García-Cota, C Sánchez, A Maestro and the working group for the acute pain study of SETRADE, coordinated by Josep Borrell*  
Commentary—*D Santiago*  
Commentary—*M Cusi*
- 140 Trends in physical activity and sedentary behaviour in adolescence: ethnic and socioeconomic differences *N H Brodersen, A Steptoe, D R Boniface, J Wardle*  
Commentary—*M Hillsdon*
- 145 Influence of vibration on delayed onset of muscle soreness following eccentric exercise *A H Bakhtiary, Z Safavi-Farokhi, A Aminian-Far*  
Commentary—*A Rezasoltani*
- 149 Left ventricular early myocardial dysfunction after chronic misuse of anabolic androgenic steroids: a Doppler myocardial and strain imaging analysis *A D'Andrea, P Caso, G Salerno, R Scarafile, G De Corato, C Mita, G Di Salvo, S Severino, S Cuomo, B Liccardo, N Esposito, R Calabrò*  
Commentary—*F Giada*
- 156 Effect of maximal exercise on the short-term kinetics of zinc metabolism in sedentary men *S L Volpe, N M Lowe, L R Woodhouse, J C King*
- 162 Injuries in amateur horse racing (point to point racing) in Great Britain and Ireland during 1993–2006 *G Balendra, M Turner, P McCrory*
- 167 Hydrodilatation (distension arthrography): a long-term clinical outcome series *L Watson, A Bialocerkowski, R Dalziel, S Balster, F Burke, C Finch*
- 174 Validation of a field test to determine the maximal aerobic power in triathletes and endurance cyclists *C González-Haro, P A Galilea, F Drobnic, J F Escanero*

# contents BJSM

Volume 41 Number 3 March 2007

.....

184 Retraction

.....

**Case report**

180 Syncope due to Brugada syndrome in a young athlete *H D Esperer, O Hoos, K Hottenrott*

.....

**PostScript**

182 Book reviews

184 Calendar of events

.....

**SportsMedUpdate**

185 Evidence based journal watch

.....

**Miscellanea**

148 Echo: Cognition is best yardstick of fitness after concussion