



Editor in Chief

Ellen J Weber (USA)

Deputy Editors

Ian Maconochie
Paediatric Emergency Medicine (UK)
Richard Body
Emergency Medicine (UK)

Associate Editors

Simon Carley (UK)
Social Media Editor
Mary Dawood (UK)
Emergency Nursing
Caroline Leech (UK)
Emergency Medicine
Richard Parris (UK)
Emergency Medicine
Dawn Teare (UK)
Statistical Consultant

Editorial Office

BMJ Publishing Group Ltd, BMA House,
Tavistock Square, London WC1H 9JR, UK
T: +44 (0)20 7383 6909
F: +44 (0)20 7383 6668
E: emjeditorial@bmj.com
Twitter: @EmergencyMedBMJ

ISSN: 1472-0205 (print)
ISSN: 1472-0213 (online)

Impact factor: 1.836

Disclaimer: EMJ is owned and published by the Royal College of Emergency Medicine and BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association. The owners grant editorial freedom to the Editor of EMJ.

EMJ 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.

EMJ 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 Ltd 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 Ltd shall not be liable for any loss, injury or damage resulting from the use of EMJ 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: © 2017 BMJ Publishing Group Ltd and the Royal College of Emergency 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 EMJ.

EMJ 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.

Emergency Medicine Journal (ISSN No 1472-0205) 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 Emergency Medicine Journal, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Primary survey

347 Highlights from this issue
M Dawood

Original article

349 Troponin-only Manchester Acute Coronary Syndromes (T-MACS) decision aid: single biomarker re-derivation and external validation in three cohorts
R Body, E Carlton, M Sperrin, P S Lewis, G Burrows, S Carley, G McDowell, I Buchan, K Greaves, K Mackaway-Jones

Concepts

357 What is an ROC curve?
Z H Hoo, J Candlish, D Teare

Original articles

360 The Royal College of Emergency Medicine composite pain scale for children: level of inter-rater agreement
F James, R Edwards, N James, R Dyer, V Goodwin

364 Violence-related ambulance call-outs in the North West of England: a cross-sectional analysis of nature, extent and relationships to temporal, celebratory and sporting events
Z Quigg, C McGee, K Hughes, S Russell, M A Bellis

370 Can surf-lifeguards perform a quality cardiopulmonary resuscitation sailing on a lifeboat? A quasi-experimental study
R Barcala-Furelos, C Abelairas-Gomez, J Palacios-Aguilar, E Rey, J Costas-Veiga, S Lopez-Garcia, A Rodriguez-Nunez

376 A systematic review of management strategies for children's mental health care in the emergency department: update on evidence and recommendations for clinical practice and research
A S Newton, L Hartling, A Soleimani, S Kirkland, M P Dyson, M Cappelli

386 Emergency department syndromic surveillance to investigate the health impact and factors associated with alcohol intoxication in Reunion Island
P Vilain, S Larriue, K Mouglin-Damour, P-J M D Cassou, M Weber, X Combes, L Lileuil

Prehospital care

391 Development of a trigger tool to identify adverse events and harm in Emergency Medical Services
I L Howard, J M Bowen, L A H Al Shaikh, K S Mate, R C Owen, D M Williams

398 Chest compression fraction in ambulance while transporting patients with out-of-hospital cardiac arrest to the hospital in rural Taiwan
S-C Hung, C-Y Mou, H-C Hung, I-H Lin, S-W Lai, J Y C Huang

Review

403 A systematic review of patients', parents' and healthcare professionals' adrenaline auto-injector administration techniques
A El Turki, H Smith, C Llewellyn, C J Jones

Best evidence topic reports

417 Towards evidence based emergency medicine: Best BETs from the Manchester Royal Infirmary
C Ferguson

417 BET 1: Pre-hospital finger thoracostomy in patients with traumatic cardiac arrest
J Pritchard, K Hogg

419 BET 2: Pre-hospital finger thoracostomy in patients with chest trauma
J Pritchard, K Hogg

419 BET 3: In septic patients requiring fluid resuscitation can the bedside lung ultrasound be used to assess the pulmonary fluid status?
J Alain, M Si-Ongue

MORE CONTENTS ►



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://authors.bmj.com/open-access>



Member since 2008

JM00025

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

www.publicationethics.org.uk



Global Emergency Medicine Highlights

- 423** Abstracts from international Emergency
Medicine journals
E J Weber
-

Image challenges

- 356** Diagnosing a painful abdominal hernia
N S Nagra, M P Cox, G R Nana, J Isherwood

- 397** A man with fever and posterior neck pain
Y Suyama, T Shirakawa, K Hagiwara
-

PostScript

- 425** Letter
-