



Editor in Chief
Ellen J Weber (USA)

Deputy Editor
Richard Body
Emergency Medicine (UK)

Associate Editors
Simon Carley (UK)
Emergency Medicine
Edward Cariton (UK)
Emergency Medicine
Mary Dawood (UK)
Emergency Nursing
Caroline Leech (UK)
Emergency Medicine

Social Media Editor
Sarah Edwards (UK)

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

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

Impact factor: 3.814

Disclaimer: The Editor of EMJ has been granted editorial freedom and EMJ is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. EMJ is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by EMJ does not imply endorsement. Neither RCEM nor BMJ Publishing Group Limited shall have any liability for any loss, injury or damage howsoever arising from EMJ (except for liability which cannot be legally excluded).

Copyright: © 2023 BMJ Publishing Group Ltd and the Royal College of Emergency Medicine. All rights reserved; no part of this publication may be reproduced in any form without permission.

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 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.

Highlights from this issue

1 Primary survey: Highlights from this issue
M Dawood

Editorial

2 After 50+ years, emergency medicine (and our patients) remain undervalued
E J Weber

Utilisation of services

4 Association between sustained opioid prescription and frequent emergency department use: a cohort study
F Racine-Hemmings, A Vanasse, A Lacasse, Y Chiu, J Courteau, A Dépelteau, C Hudon

12 Outcomes of paediatric patients who are not transported to hospital by Emergency Medical Services: a data linkage study
E Nehme, Z Nehme, S Cox, K Smith

20 Paediatric frequent use of emergency medical services: a systematic review
J Scott, A Khanom, J Straw, A Strickland, A Porter, H Snooks

Sepsis

28 Prognostic accuracy of using lactate in addition to the quick Sequential Organ Failure Assessment score and the National Early Warning Score for emergency department patients with suspected infection
J Julienne, D Douillet, M-S Mozziconacci, J-C Callahan

36 Severe vitamin D deficiency in patients admitted to the emergency department with severe sepsis is associated with an increased 90-day mortality
S Malinverni, Q Ochogavia, S Lecrenier, M Scorpiniti, J-C Preiser, F Cotton, P Mols, M Bartiaux

Prehospital care

42 Prehospital ABC (Age, Bystander and Cardiogram) scoring system to predict neurological outcomes of cardiopulmonary arrest on arrival: post hoc analysis of a multicentre prospective observational study
K Uehara, T Tagami, H Hyodo, T Ohara, A Sakurai, N Kitamura, T Nakada, M Takeda, H Yokota, M Yasutake

48 Predefibrillation end-tidal CO2 and defibrillation success in out-of-hospital cardiac arrest: an observational cohort study
J L Kwong, I R Drennan, L Turner, S Cheskes

56 Optimising ambulance conveyance rates and staff costs by adjusting proportions of rapid-response vehicles and dual-crewed ambulances: an economic decision analytical modelling study
C Ridyard, M Smith, R Spaight, G R Law, A N Sirivardena

Thrombosis

61 Use of the National Early Warning Score for predicting deterioration of patients with acute pulmonary embolism: a post-hoc analysis of the YEARS Study
R Bavalia, M A M Stals, F I Mulder, I M Bistervels, M Coppens, L M Faber, S V Hendriks, H M A Hofstee, M V Huisman, T van der Hulle, A T A Mairuhu, M J H A Kruij, S Middeldorp, F A Klok, B A Hutten, F Holleman

67 Thromboprophylaxis in ambulatory emergency department patients managed with lower limb immobilisation after injury: a national survey
C A Crainie, J G Cooper, D Horner

Practice review

69 Pulmonary embolism management in the emergency department: part 2
P Serebriakoff, J Cafferkey, K de Wit, D E Horner, M J Reed

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

www.publicationethics.org



When you have finished with this please recycle it

Global emergency highlights

- 76** Abstracts from international emergency medicine journals

Journal update

- 79** Journal update monthly top five
L Cottey, F Wood, C Humphries, B Seden, J Peachey, J Clymer, F Barham, J Smith

Letters

- 81** Use TRIPOD when validating clinical prediction models
B GJ Candell, S K Nissen

- 81** In reply to: 'Use TRIPOD when validating clinical prediction models'

M Schinckel, F Holleman

Image challenges

- 19** Sudden Onset Unilateral Ptosis

Y-H Lee, C-M Yeh, C C Hsieh

- 47** Man with painful nodule of the right lower extremity

C-Y Lin, Y-C Liu, W-J Lee