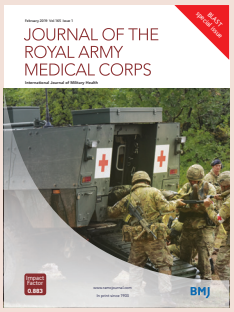

Editor
Major Johno Breeze

Deputy Editor
Major Piers Page

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: **info.jramc@bmj.com**

ISSN: 0035-8665 (print)
ISSN: 2052-0468 (online)

Impact factor: 0.883

Disclaimer: While every effort is made by the publishers and editorial board to see that no inaccurate or misleading data, opinions or statements appear in this Journal, they wish to make it clear that the data and opinions appearing in the articles and advertisements herein are the responsibility of the contributor or advertiser concerned and the opinions are those of the author and not of the Royal Army Medical Corps, Army or Ministry of Defence. Accordingly, the publishers and the RAMC Charity, the editorial committee and their respective employees, officers and agents, accept no liability whatsoever for the consequences of any such inaccurate or misleading data, opinion or statement. While every effort is made to ensure that drug doses and other quantities are presented accurately, readers are advised that new methods and techniques involving drug usage, described with in this Journal, should only be followed in conjunction with the drug manufacturer's own published literature.

Copyright: © 2019 Crown copyright. 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 Journal of the Royal Army Medical Corps.

Journal of the Royal Army Medical Corps is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Limited, Chennai, India and printed in the UK on acid-free paper.

Journal of the Royal Army Medical Corps (ISSN No 0035-8665) is published four times a year 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 Journal of the Royal Army Medical Corps, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

The vision of the Journal of the Royal Army Medical Corps is to be recognised by our readership as the world leader in academic military healthcare and health advice. To this end the aim of the journal is to publish original research, contemporary reviews and provide healthcare policy and advice to enhance medical operational capability. It welcomes material from both within the military as well as beyond. It is intended not only to propagate current knowledge and expertise but also to act as an institutional memory for the practice of medicine within the military.

Highlights of the edition

1 Dispatches from the editor: blast injury is everyone's problem
J Garner, J Breeze

Editorials

5 OPEN ACCESS Improving survivability from blast injury: 'shifting the goalposts' and the need for interdisciplinary research
A P Pearce, J Clasper

7 Environmental toxicology of blast exposures: injury metrics, modelling, methods and standards
M J Leggieri Jr, D Bieler, S Bjarnason, I Cernak, A Franke, E Kirkman, L Martineau, H Orru, S Ouellet, M Philippens, M G Risling, J-C Sarron, S Skriudalen, J A Teland, S Watts, R K Gupta

Original articles

10 Guidelines for reproducing blast exposures in the laboratory
T Josey, S Ouellet, D Bieler, I Cernak, A Franke, R Gupta, E Kirkman, M J Leggieri Jr, H Orru, M Philippens, M Risling, J C Sarron, S Skriudalen, J A Teland, S Watts, S Bjarnason

15 EDITOR'S CHOICE Environment at the time of injury determines injury patterns in pelvic blast
C E Webster, J Clasper, I Gibb, S D Masouros

18 OPEN ACCESS Fatal head and neck injuries in military underbody blast casualties
S K Stewart, A P Pearce, J C Clasper

22 Protection of the lung from blast overpressure by stress wave decouplers, buffer plates or sandwich panels
A Sedman, A Hepper

27 From Northern Ireland to Afghanistan: half a century of blast injuries
R McGuire, A Hepper, K Harrison

33 OPEN ACCESS Experimental platforms to study blast injury
T-T Nguyen, A P Pearce, D Carpanen, D Sory, G Grigoriadis, N Newell, J Clasper, A Bull, W G Proud, S D Masouros

38 Guidelines for using animal models in blast injury research
S Watts, E Kirkman, D Bieler, S Bjarnason, A Franke, R Gupta, M J Leggieri Jr, H Orru, S Ouellet, M Philippens, J-C Sarron, S Skriudalen, J A Teland, M Risling, I Cernak

41 Guidelines for conducting epidemiological studies of blast injury
D Bieler, I Cernak, L Martineau, S Bjarnason, A Franke, E Kirkman, M J Leggieri, H Orru, S Ouellet, M Philippens, M G Risling, J-C Sarron, S Skriudalen, J A Teland, S Watts, R Gupta

45 Primary blast lung injury simulator: a new computerised model
M Haque, A Das, T E Scott, D Bates, J G Hardman

51 Nebulised recombinant activated factor VII (rFVIIa) does not attenuate the haemorrhagic effects of blast lung injury
J E Smith, S Watts, A M Spear, C Wilson, E Kirkman

Invited review

57 Pathophysiology of primary blast injury
J E Smith, J Garner

Cover image: 19.09.2017, Knin, Croatia - Military Exercise "SAVA STAR 17" of Croatia and the British Army followed by Minister Damir Krsticevic, British Ambassador Andrew Dalgleish and Army Lieutenant Colonel John Kelly.

Cover credit: Hrvoje Jelavic/PIXSELL.

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

OPEN ACCESS This article has been made freely available online under the BMJ Journals open access scheme.
See **http://authors.bmj.com/open-access/**

C O P E Member since 2015 JM11029
This journal is a member of and subscribes to the principles of the Committee on Publication Ethics
http://publicationethics.org/

equator network

recycle When you have finished with this please recycle it

J R Army Med Corps: first published as on 1 February 2019. Downloaded from http://militaryhealth.bmj.com/ on April 17, 2024 by guest. Protected by copyright.