



**Editor-in-Chief**  
Fiona Moss (UK)

**Commissioning Editor**  
Bob Klaber (UK)

**Editors**  
Anita Berlin (UK)  
Ian Curran (UK)  
Michael Fertleman (UK)  
Penny Fitzharris (New Zealand)  
Ana Grenfell (Russia)  
Duncan Keeley (UK)  
Kathryn McPherson (New Zealand)

**Associate Editors**  
Edward Hoey (UK)  
John Launer (UK)  
Kshitij Mankad (UK)  
Daniel Sokol (UK)

**Guidelines for Authors and Reviewers**

Full instructions are available online at <http://pmj.bmj.com/fora>. Articles must be submitted electronically <http://pmj.bmj.com/submit>. Authors retain copyright but are required to grant *Postgraduate Medical Journal* an exclusive licence to publish <http://pmj.bmj.com/licence-forms>

**Impact factor:** 1.939

#### 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. Accordingly, the publishers and the Fellowship, 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:** © 2013 The Fellowship of Postgraduate 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

*Postgraduate Medical Journal* is published by BMJ Publishing Group Ltd, typeset by Techset and printed in the UK on acid-free paper from sustainable forests.

*Postgraduate Medical Journal* (ISSN 0032-5473) 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 *Postgraduate Medical Journal*, Air Business Ltd, c/o Worldnet Shipping Inc, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA

**Postgraduate Medical Journal** is a peer reviewed journal published on behalf of the Fellowship of Postgraduate Medicine. The journal aims to support junior doctors and their teachers and contribute to the continuing professional development of all doctors by publishing papers on a wide range of topics relevant to the practising clinician and teacher. Papers published include those that focus on core competencies; that describe current practice and new developments in all branches of medicine; that describe relevance and impact of translational research on clinical practice; that provide background relevant to examinations and medical education and medical education research. The *PMJ* supports CPD by providing the opportunity for doctors to publish many types of articles including original clinical research; reviews; quality improvement reports; editorials; and correspondence on clinical matters.

#### Fellowship of Postgraduate Medicine

**President**  
DRJ Singer

**Honorary Secretary**  
TRJ Nicholson

**Honorary Treasurer**  
WL Currie

#### Council Members

W Dimitri  
A Ferro  
A Marsh  
CG Missouris  
R Moulding  
LT Newman  
D Saltman  
MJ Shaw  
DI Slovick

#### The Fellowship of Postgraduate Medicine

The Fellowship of Postgraduate Medicine was founded after the First World War and was a pioneer in the UK in the development of programmes of postgraduate study in all branches of medicine. It is, and always has been, independent of universities, the health service and government. The Fellowship does not give personal grants for educational purposes or research. It achieves its objectives through publishing the *Postgraduate Medical Journal* and sponsoring national postgraduate education programmes. Further details can be obtained from the Executive Secretary, Fellowship of Postgraduate Medicine, 12 Chandos Street, London W1G 9DR, UK; <http://thefpm.co.uk>. The Fellowship is a registered charity.

#### Subscription Information

*Postgraduate Medical Journal* is published monthly; subscribers have access to all supplements

#### Institutional Rates 2013

**Print**  
£451; US\$880; €609

**Online**  
Online: Site licences are priced on FTE basis and allow access by the whole institution. Print is available at deeply discounted rates for online subscribers; details available online at <http://pmj.bmj.com/subscribe/> or contact the Subscription Manager in the UK (see above right).

Residents of some EC countries must pay VAT; for details, call us or visit <http://pmj.bmj.com/subscribe/>

#### Personal Rates 2013

**Print** (includes online access at no additional cost)  
£194; US\$379; €262

**Online Only**  
£128; US\$250; €173  
ISSN 0032-5473 (print);  
1469-0756 (online)

Personal print or online only and institutional print subscriptions may be purchased online at <http://pmj.bmj.com/subscribe/> (payment by Visa/Mastercard only).

#### Contact Details

##### Editorial Office

*Postgraduate Medical Journal* BMJ Journals,  
BMA House, Tavistock Square  
London, WC1H 9JR, UK  
T: +44 (0)20 7383 6909  
F: +44 (0)20 7383 6668  
E: [pmj@bmjgroup.com](mailto:pmj@bmjgroup.com)

##### Permissions

<http://group.bmj.com/permissions>

##### Supplement Enquiries

T: +44 (0)20 7383 6088  
F: +44 (0)20 7383 6668  
E: [journals@bmjgroup.com](mailto:journals@bmjgroup.com)

##### Subscriptions

T: +44 (0)20 7111 1105  
F: +44 (0)20 7383 6402  
support@bmjgroup.com

##### Display Advertising Sales

**Nick Gray (Sales Manager)**  
T: +44 (0)20 7383 6386  
F: +44 (0)20 7383 6556  
E: [nickgray@bmjgroup.com](mailto:nickgray@bmjgroup.com)  
<http://group.bmj.com/advertising>

##### Online Advertising Sales

**Marc Clifford (Sales Manager)**  
T: +44 (0) 20 7383 6161  
F: +44 (0) 20 7383 6556  
E: [mclifford@bmjgroup.com](mailto:mclifford@bmjgroup.com)  
<http://group.bmj.com/advertising>

##### Author Reprints

Reprints Administrator  
T: +44 (0)150 251 5161  
F: +44 (0)207 554 6185  
E: [admin.reprints@bmjgroup.com](mailto:admin.reprints@bmjgroup.com)

##### Commercial Reprints (except USA & Canada)

Nadia Gurney-Randall  
T: +44 (0)20 8445 5825  
F: +44 (0)20 8445 5870  
M: 07866 262 344  
E: [ngurneyrandall@bmjgroup.com](mailto:ngurneyrandall@bmjgroup.com)

##### Commercial Reprints (USA & Canada)

Marsha Fogler  
T: +1 800 482 1450 (toll free in the USA)  
T: +1 856 489 4446 (outside the USA)  
F: +1 856 489 4449  
E: [mfogler@medicalreprints.com](mailto:mfogler@medicalreprints.com)