

Editor
Cheok Soon Lee (Australia)

Associate Editors

Runjan Chetty (Canada)
Jonathan R Kerr (Microbiology; UK)
Mary Frances McMullin (UK)
Tahir Pillay (Chemical Pathology;
South Africa)
Jorge Reis-Filho (Molecular Pathology;
UK)
Joe Unsworth (Immunology; UK)

Web editor

Dhiren Govender (South Africa)

Best Practice Editors

Rousseau Gama (Chemical Pathology;
UK)
Joe Unsworth (Immunology; UK)
Jonathan R Kerr (Microbiology; UK)
Mark Heatley (Histopathology; UK)

Statistical Editor

Angie Wade (UK)

Impact Factor: 2.324

Disclaimer: Journal of Clinical Pathology is owned and published by the Association of Clinical Pathologists and BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association. The owners grant editorial freedom to the Editor of Journal of Clinical Pathology. Journal of Clinical Pathology 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.

Journal of Clinical Pathology 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 Journal of Clinical Pathology 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: © 2010 BMJ Publishing Group Ltd and the Association of Clinical Pathologists. 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 Clinical Pathology.

Journal of Clinical Pathology is published by BMJ Publishing Group Ltd, typeset by TNQ and printed in the UK on acid-free paper by Latimer Trend & Co Ltd, Plymouth.

Journal of Clinical Pathology (ISSN No: 0021-9746) is published monthly by BMJ Publishing Group and distributed in the USA by Mercury International Ltd. Periodicals postage paid at Rahway, NJ. POSTMASTER: send address changes to *Journal of Clinical Pathology*, Mercury International Ltd., 365 Blair Road, Avenel, NJ, 07001, USA.

Journal of Clinical Pathology

Journal of the Association of Clinical Pathologists

JCP is a core publication for workers in all disciplines of pathology. Clinical pathology is its central theme but the journal also publishes basic science papers with a clear clinical application

Editorial Board

F Al-Mulla (Kuwait), **S Asa** (Canada), **K Cooper** (USA),
F Couto (India), **P Coyle** (UK), **M Crook** (UK), **G Cserni** (Hungary),
A P Dei Tos (Italy), **B. Delahun** (New Zealand), **R Drut** (Argentina),
W Erber (UK), **A Folpe** (USA), **S Fox** (Australia), **D Ghazarian** (Canada),
A Giordano (USA), **C-C Huang** (Taiwan), **W Irving** (UK), **C Jones** (UK),
K Kerr (UK), **C Le Roux** (UK), **A S-Y Leong** (Australia), **S-Y Leung** (Hong Kong),
G McCluggage (UK), **M F McMullin** (UK), **E Montgomery** (USA),
S Nayler (South Africa), **H-K Ng** (Hong Kong), **J J O'Leary** (Ireland),
G Perry (USA), **M Salto-Tellez** (Singapore), **F Schmitt** (Portugal),
J Y Scoazec (France), **P H Tan** (Singapore), **G Tse** (Hong Kong), **P Twomey** (UK),
J Wainscoat (UK), **I S Young** (Northern Ireland), **Editor, BMJ**

Association of Clinical Pathologists

President
W A Telfer Brunton

President-Elect
R P Reid

Vice-Presidents
A Galloway
S Maxwell

Chairman of Council
W J Fuggle

Honorary Secretary
A N Stark

Honorary Treasurer
D Bareford

General Administrator
Ms Alison Martin,
189 Dyke Road, Hove,
East Sussex BN3 1TL UK
T: +44 (0)1273 775 700
F: +44 (0)1273 773 303
E: info@pathologists.org.uk
http://pathologists.org.uk



JCP Online Archive

The full back archive of Journal of Clinical Pathology is now available from 1969 at <http://jcp.bmj.com/>. Users have FREE access to all articles, older than 12 months*, right back to Volume 1, Issue 1. The online archives were digitised with the help of the US National Library of Medicine.

Personal subscribers must sign in to access this content. Users not covered by an institutional or personal subscription will have to complete a one-time registration that grants access to all archive content, across all our titles.

*Articles that are 12 months old or less require a subscription to access them.

Subscription Information

Journal of Clinical Pathology is published monthly (subscribers have access to all supplements)

Institutional Rates 2010

Print
£561; US\$1094; €757

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://group.bmj.com/group/subs-sales/subscriptions> 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://group.bmj.com/group/subs-sales/subscriptions/subs-vat>

Personal Rates 2010

Print (includes online access at no additional cost)
£219; US\$427; €296

Online only
£115; US\$224; €155

ISSN: 0021 9746 (print)
ISSN: 1472 4146 (online)

Personal print or online only and institutional print subscriptions may be purchased online at <http://group.bmj.com/group/subs-sales/subscriptions> (payment by MasterCard/Visa only).

Contact Details

Editorial Office

BMJ Publishing Group Ltd, BMA House, Tavistock Square, London WC1H 9JR, UK
T: +44 (0)20 7383 6209
F: +44 (0)20 7383 6668
E: jclnpath@bmjgroup.com

Permissions

<http://journals.bmj.com/misc/permissions.dtl>

Supplement Enquiries

T: +44 (0)20 7383 6057
F: +44 (0)20 7554 6759
E: journals@bmjgroup.com

Subscriptions (except USA)

Subscription Manager, BMJ Journals
BMJ Publishing Group Ltd, PO BOX 299,
London WC1H 9TD, UK
T: +44 (0)20 7383 6270
F: +44 (0)20 7383 6402
E: subscriptions@bmjgroup.com
<http://group.bmj.com/group/subs-sales/subscriptions>

US Subscriptions

PP&F PO Box 361, Birmingham, AL35201-0361
T: +1 800 348 6473 (toll free in the USA)
F: +1 205 995 1588
E: bmj-clinicalevidence@ebsco.com

Advertising

T: +44 (0)20 7383 6181
F: +44 (0)20 7383 6556
E: ecurrer@bmjgroup.com
<http://group.bmj.com/group/advertising>

Reprints

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

Commercial Reprints (except USA & Canada)

Nadia Gurney-Randall
T: +44 (0)20 8445 5825
M: +44 (0)7866 262344
F: +44 (0)20 8445 5870
E: 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

Guidelines for Authors and Reviewers

Full instructions are available online at <http://jcp.bmj.com/fora>. Articles must be submitted electronically <http://submit-jcp.bmj.com>. Authors retain copyright but are required to grant Journal of Clinical Pathology an exclusive licence to publish <http://jcp.bmj.com/fora/licence.dtl>