



Cover credit: Mark Thomas

Cover image: 'Sir William Adams', surgical correction of ectropion. Courtesy Mr Richard Keeler, curator of the museum of the Royal College of Ophthalmologists, UK. See page 1160.

Editors-in-Chief

Harminder S Dua (UK)
Arun D Singh (USA)

Translation Editors

Evelyn Fu (USA)
José Gomes (Brazil)
Alvin Kwok (Hong Kong)
Merce Morral Palau (Spain)
David Pelayes (Argentina)
Daniel de Souza Pereira (Brazil)

Editorial Office

BMJ Publishing Group Ltd,
BMA House, Tavistock Square,
London WC1H 9JR, UK
T: +44 (0)20 7383 6170
F: +44 (0)20 7383 6668
E: bjournal@bmjgroup.com

ISSN: 0007-1161 (print)
ISSN: 1468-2079 (online)

Impact factor: 2.902

Disclaimer: British Journal of Ophthalmology is owned and published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association. The owner grants editorial freedom to the Editor of British Journal of Ophthalmology.

British Journal of Ophthalmology 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.

British Journal of Ophthalmology 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 British Journal of Ophthalmology 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: © 2012 BMJ Publishing Group Ltd. 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 with out the prior permission of British Journal of Ophthalmology.

British Journal of Ophthalmology is published by BMJ Publishing Group Ltd, typeset by TNQ Books & Journals, Chennai, India and printed in the UK on acid-free paper by Latimer Trend & Co Ltd, Plymouth.

British Journal of Ophthalmology (ISSN 0007-1161) 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 Journal name, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA

Editorials

1157 Aflibercept (VEGF Trap-eye): the newest anti-VEGF drug
M W Stewart

1159 Laser refractive surgery: have we arrived?
J L Alio

Global issues

1162 The prevalence of primary angle closure glaucoma in European derived populations: a systematic review
A C Day, G Baio, G Gazzard, C Bunce, A Azuara-Blanco, B Munoz, D S Friedman, P J Foster

Original articles

Clinical science

1168 Rapid assessment of avoidable blindness and diabetic retinopathy in Taif, Saudi Arabia
A H Al Ghamdi, M Rabiou, S Hajar, D Yorston, H Kuper, S Polack

1173 Short term LASIK outcomes using the Technolas 217C excimer laser and Hansatome microkeratome in 46 708 eyes treated between 1998 and 2001
D Z Reinstein, W B Threlfall, R Cooke, E Cremonesi, H F S Sutton, T J Archer, M Gobbe

1180 Clinical characteristics of newly diagnosed primary, pigmentary and pseudoexfoliative open-angle glaucoma in the Collaborative Initial Glaucoma Treatment Study
D C Musch, T Shimizu, L M Niziol, B W Gillespie, L F Cashwell, P R Lichter

1185 Practical landmarks for visual field disability in glaucoma
L J Saunders, R A Russell, D P Crabb

1190 Central corneal thickness and intraocular pressure in children undergoing congenital cataract surgery: a prospective, longitudinal study
G M Resende, Á P C Lupinacci, C E L Arieta, V P Costa

1195 Penetrating keratoplasty using femtosecond laser-enabled keratoplasty with zig-zag incisions versus a mechanical trephine in patients with keratoconus
R N Gaster, O Dumitrascu, Y S Rabinowitz

1200 Long term visual outcomes, graft survival and complications of deep anterior lamellar keratoplasty in patients with herpes simplex related corneal scarring
D A M Lyall, S Tarafdar, M J Gilhooley, F Roberts, K Ramaesh

1204 Grading nuclear, cortical and posterior subcapsular cataracts using an objective scatter index measured with a double-pass system
M Vilaseca, M J Romero, M Arjona, S O Luque, J C Ondategui, A Salvador, J L Güell, P Aral, J Pujol

1211 Fundus autofluorescence and spectral-domain optical coherence tomography findings suggesting tissue remodelling in retinal pigment epithelium tear
A Caramoy, S Fauser, B Kirchhof

1217 Development of polypoidal choroidal vasculopathy in unaffected fellow eyes
Y T Kim, S W Kang, S E Chung, M G Kong, J H Kim

1222 Clinical features of reticular pseudodrusen according to the fundus distribution
M Y Lee, J Yoon, D-I Ham

1227 Eye features in three Danish patients with multisystemic smooth muscle dysfunction syndrome
H U Møller, H C Fledelius, D M Milewicz, E S Regalado, J R Ostergaard

1232 Early signs of longitudinal progressive cone photoreceptor degeneration in achromatopsia
M G Thomas, R J McLean, S Kohl, V Sheth, I Goutlob

MORE CONTENTS ►



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



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://bjournal.bmj.com/info/unlocked.dtl>



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

www.publicationethics.org.uk



- 1237** The validity of routine brain MRI in detecting post-laminar optic nerve involvement in retinoblastoma

B J Lee, J H Kim, D H Kim, S-H Park, Y S Yu

Laboratory science

- 1242** Orbital and lacrimal gland progressive transformation of germinal centres—an underdiagnosed entity?

S Amin, A Ramsay

- 1246** The expression of vascular endothelial growth factor in mast cells promotes the neovascularisation of human pterygia

K Liang, Z Jiang, B Zhao, J Shen, D Huang, L Tao

- 1252** In vitro effect of a corrosive hostile ocular surface on candidate biomaterials for keratoprosthesis skirt



X W Tan, A Riau, Z L Shi, A C S Tan, K G Neoh, K A Khor, R W Beuerman, D Tan, J S Mehta

- 1259** Kinetic analysis of cytokines, chemokines, chemokine receptors and adhesion molecules in murine ocular toxoplasmosis

A Kikumura, T Ishikawa, K Norose

Education

- 1268** Enophthalmos following orbital trauma: a diagnostic catch

V Achtsidis, M E Gregory, F Roberts, Ewan G Kemp

PostScript

- 1270** Letters

- 1276** Corrections

Cover illustration

- 1160** The art of surgery: Sir William Adams (1783–1827)

R Keeler, A D Singh, H S Dua