



Cover image: William Briggs' depiction of the visual pathway. Courtesy of Richard Keeler, Curator, Museum of the Royal College of Ophthalmologists. See page 781.

**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](mailto:bjournal@bmjgroup.com)

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

Impact factor: 2.934

**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 without 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**

**771** Global health for future ophthalmologists—time to address the gaps: a UK perspective  
*A N J Malik, A Das, J Hall, N Crisp*

**774** The changing spectrum of microbial keratitis: is microsporidia increasing as a cause of microbial keratitis or is it a previously unrecognised cause?  
*I R Schwab*

**Review**

**776** Review of endophthalmitis following Boston keratoprosthesis type 1  
*M-C Robert, K Moussally, M Harissi-Dagher*

**Global issues**

**783** The number of ophthalmologists in practice and training worldwide: a growing gap despite more than 200 000 practitioners  
*S Resnikoff, W Felch, T-M Gauthier, B Spivey*



**Innovations**

**788** First clinical results with a new 200 kHz femtosecond laser system  
*C Winkler von Mohrenfels, R Khoramnia, J Salgado, C Wüllner, C Donitzky, M Maier, C P Lohmann*

**Original articles  
Clinical science**

**793** Diagnosis, clinical features and treatment outcome of microsporidial keratoconjunctivitis  
*S Das, S Sharma, S K Sahu, S S Nayak, S Kar*

**796** Mooren's ulcer in children  
*A Mathur, J Ashar, V Sangwan*

**801** Reliability and validity of conjunctival ultraviolet autofluorescence measurement  
*J C Sherwin, C M McKnight, A W Hewitt, L R Griffiths, M T Coroneo, D A Mackey*

**806** Corneal biomechanical properties and intraocular pressure measurement in patients with nanophthalmos  
*C Altan, N Kara, O Baz, B Şatana, A Demirok, O F Yilmaz*

**811** Frequency and associated factors of structural progression of open-angle glaucoma in the Beijing Eye Study  
*Y X Wang, L N Hu, H Yang, J B Jonas, L Xu*

**816** Avoidable sight loss from glaucoma: is it unavoidable?  
*A Kotecha, S Fernandes, C Bunce, W A Franks*

**821** Risk factors for anxiety and depression in patients with glaucoma  
*F Mabuchi, K Yoshimura, K Kashiwagi, Z Yamagata, S Kanba, H Iijima, S Tsukahara*

**826** Spanish multicenter tafluprost tolerability study  
*E Milla, O Stirbu, A Rey, S Duch, O Buchacra, A Robles, C Navarro, R Gil, J M Cordero*

**832** Agreement among three types of spectral-domain optical coherent tomography instruments in measuring parapapillary retinal nerve fibre layer thickness  
*A Kanamori, M Nakamura, M Tomioka, Y Kawaka, Y Yamada, A Negi*

**838** The effect on quality of life of long-term botulinum toxin A injections to maintain ocular alignment in adult patients with strabismus  
*J Hancox, S Sharma, K MacKenzie, G Adams*

**841** Primary bilateral silicone frontalis suspension for good levator function ptosis in oculopharyngeal muscular dystrophy  
*R C Allen, M B Zimmerman, E A Watterberg, L A Morrison, K D Carter*

**846** The impact of bilateral or unilateral cataract surgery on visual functioning: when does second eye cataract surgery benefit patients?  
*A C S Tan, W T Tay, Y F Zheng, A G Tan, J J Wang, P Mitchell, T Y Wong, E L Lamoureux*



**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>

C O P E COMMITTEE ON PUBLICATION ETHICS


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

[www.publicationethics.org.uk](http://www.publicationethics.org.uk)



- 852** The clinical course of juvenile idiopathic arthritis-associated uveitis in childhood and puberty  
*M Hoeve, V Kalinina Ayuso, N E Schalijs-Delfos, L I Los, A Rothova, J H de Boer*
- 857** Increased risk of uveitis in coeliac disease: a nationwide cohort study  
*K Mollazadegan, M Kugelberg, L Tallstedt, J F Ludvigsson*
- 862** Endophthalmitis following intravitreal injection versus endophthalmitis following cataract surgery: clinical features, causative organisms and post-treatment outcomes  
*M P Simunovic, R B Rush, A P Hunyor, A A Chang*
- 867**  The role of the optical coherence tomography in identifying shape and size of idiopathic epiretinal membranes  
*B Hajnajeab, M Georgopoulos, R Sayegh, W Geitzenauer, U Schmidt-Erfurth*
- 872** Risk of selected eye diseases in people admitted to hospital for hypertension or diabetes mellitus: record linkage studies  
*M J Goldacre, C J Wotton, T D L Keenan*
- 877** ERG monitoring of retinal function during systemic chemotherapy for retinoblastoma  
*S E Brodie, Y M Paulus, M Patel, Y P Gobin, I J Dunkel, B P Marr, D H Abramson*
- 881** Periocular carboplatin for retinoblastoma: long-term report (12 years) on efficacy and toxicity  
*B P Marr, I J Dunkel, A Linker, D H Abramson*
- 884** Phenotypic variability of retinocytomas: preregression and postgression growth patterns  
*H Abouzeid, A Balmer, A P Moulin, A Mataftsi, L Zografos, F L Munier*
- 890** The distinct ophthalmic phenotype of Knobloch syndrome in children  
*A O Khan, M A Aldahmesh, J Y Mohamed, S Al-Mesfer, F S Alkuraya*
- 896** Survey of systematic reviews and meta-analyses published in ophthalmology  
*H Chen, V Jhanji*

### Laboratory science

- 900**  Aged peripheral retinal lesions originating from the ciliary body sweep away the retinal pigmented epithelium  
*R Begum, G Jeffery*

- 905** Toxicity of voriconazole on corneal endothelial cells in an animal model  
*S B Han, H K Yang, J Y Hyon, Y J Shin, W R Wee*

### Education

- 909** Acute episode of eyelid oedema  
*K M Hallahan, A Sood, A D Singh*

### PostScript

- 910** Letters

### Cover illustration

- 781** The great and the wrong: Dr William Briggs  
*R Keeler, A Dua, A D Singh, H S Dua*