

Cover image: Taken from Liu *et al.* Iris autofluorescence in Fuchs' heterochromic uveitis. See page 1397.

Editors-in-Chief

Keith Barton (UK) Jost Jonas (Germany) James Chodosh (USA)

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: bjo@bmj.com

Twitter: @BJOphthalmology

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

Impact factor: 3.036

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 refuse the contract.

Copyright: © 2016 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 Nova Techset Private Limited, Bengaluru & Chennai, India and printed in the UK on acid-free paper.

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

Contents

ntents

Editorial

1309 One hundred years of retinal detachment surgery

P J Polkinghorne

Global issues

1312 Uveitis is predominantly of infectious origin in a high HIV and TB prevalence setting in rural South Africa

E Schaftenaar, C Meenken, G S Baarsma, N S Khosa, A Luijendijk, J A McIntyre, A D M E Osterhaus, G M G M Verjans, R P H Peters

Innovations

1317 Spring-action Apparatus for Fixation of Eyeball (SAFE): a novel, cost-effective yet simple device for ophthalmic wet-lab training

S Ramakrishnan, P Baskaran, R Fazal, S M Sulaiman, T Krishnan, R Venkatesh

Review

1322 Genetic manipulation for inherited



neurodegenerative diseases: myth or reality?

OPEN ACCESS P Yu-Wai-Man

Clinical science

1332 Retina specialists treating cystoid macular oedema secondary to retinal vein occlusion recommend different treatments for patients than they would choose for themselves M.D. Wang, K.W. Jeng-Miller, H.L. Feng, J.L. Prenner, H.F. Fine, S.P. Shah

1337 Comparison of photodynamic therapy, ranibizumab/bevacizumab or combination in the treatment of myopic choroidal neovascularisation: a 9-year-study from a single centre

P Rishi, E Rishi, M Bhende, V Agarwal, C H Vyas, M Valiveti, P Bhende, C Rao, P Susvar, P Sen, R Raman, V Khetan, V Murali, D Ratra, T Sharma

1341 Changing from a *pro re nata* treatment regimen to a treat and extend regimen with ranibizumab in neovascular age-related macular degeneration

K Hatz, C Prünte

1346 Visual acuity loss in patients with age-related macular degeneration measured using a novel high-pass letter chart

N Shah, S C Dakin, S Dobinson, A Tufail, C A Egan, R S Anderson 1353 Past physical activity and age-related macular degeneration: the Melbourne Collaborative Cohort Study

Volume 100 Issue 10 | **BJ0** October 2016

M B McGuinness, A Karahalios, J A Simpson, R H Guymer, L D Robman, A M Hodge, E Cerin, G G Giles, R P Finger

1359 Relationship of retinal vascular calibre and diabetic retinopathy in Chinese patients with type 2 diabetes mellitus: the Desheng Diabetic Eve Study

X Yang, Y Deng, H Gu, X Ren, A Lim, T Snellingen, X Liu, N Wang, J W Pak, N Liu, R P Danis

1366 Changes observed in diabetic retinopathy:eight-year follow-up of a Spanish population

P Romero-Aroca, S de la Riva-Fernandez, A Valls-Mateu, R Sagarra-Alamo, A Moreno-Ribas, N Solar

1372 Choroidal thickness maps from spectral domain and swept source optical coherence tomography: algorithmic versus ground truth annotation

A-M Philip, B S Gerendas, L Zhang, H Faatz, D Podkowinski, H Bogunovic, M D Abramoff, M Hagmann, R Leitner, C Simader, M Sonka, S M Waldstein, U Schmidt-Erfurth

1377 Wide field of view swept-source optical coherence tomography for peripheral retinal disease

> R P McNabb, D S Grewal, R Mehta, S G Schuman, J A Izatt, T H Mahmoud, G J Jaffe, P Mruthyunjaya, A N Kuo

> > MORE CONTENTS ▶



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

This article has been made freely available online under the BMJ Journals Open Access scheme.

See http://bjo.bmj.com/site/about/guidelines.xhtml#open



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

www.publicationethics.org.uk

Receive regular table of contents by email.

Register using this QR code.





1383 latrogenic retinal breaks in ultrahigh-speed 25-gauge vitrectomy: a prospective study of elective cases

M Mura, F Barca, R Dell'Omo, F Nasini, E Peiretti

1388 Occurrence and risk factors for retinal detachment after pars plana vitrectomy in acute postcataract bacterial endophthalmitis

C Chiquet, F Aptel, A Combey-de Lambert, A M Bron, N Campolmi, K Palombi, G Thuret, F Rouberol, P-L Cornut, C Creuzot-Garcher, On behalf of the FRIENDS (French Institutional Endophthalmitis Study) group

1393 Lymphopenia as a predictor of sarcoidosis in patients with uveitis

N P Jones, L Tsierkezou, N Patton

1397 Iris autofluorescence in Fuchs' heterochromic uveitis

Q Liu, Y Jia, S Zhang, J Xie, X Chang, J Hou, G Li, D D Koch, L Wang

1403 Combined positron emission tomography/ computed tomography (PET/CT) for imaging of orbital tumours and tumours extending into the orbit

> A Klingenstein, G-U Mueller-Lisse, A R Haug, A Garip-Kuebler, C V Miller, C R Hintschich

- **1409** Bilateral IgG4-related ophthalmic disease: a strong indication for systemic imaging *A Wu, N H Andrew, A A McNab, D Selva*
- **1412** Incidence, severity and outcomes of traumatic wound dehiscence following penetrating and deep anterior lamellar keratoplasty *JJ Meyer, CNJ McGhee*

1416 Autologous simple limbal epithelial transplantation for unilateral limbal stem cell deficiency: multicentre results

J Vazirani, M H Ali, N Sharma, N Gupta, V Mittal, M Atallah, G Amescua, T Chowdhury, A Abdala-Figuerola, A Ramirez-Miranda, A Navas, E O Graue-Hernández, J Chodosh

1421 The SPARCS: a novel assessment of contrast sensitivity and its reliability in patients with corrected refractive error

Y Sun, E Erdem, A Lyu, C Zangalli, S S Wizov, D Lo, E E Spaeth, J Richman, G L Spaeth

1427 Saccadic vector optokinetic perimetry in children with neurodisability or isolated visual pathway lesions: observational cohort study

V Tailor, S Glaze, H Unwin, R Bowman, G Thompson, A Dahlmann-Noor

1433 Long-term surgical outcomes and factors for recurrence after unilateral lateral rectus muscle recession

I I Lyu, K-A Park, S Y Oh

1437 Repeatability of selective laser trabeculoplasty

J Polat, L Grantham, K Mitchell, T Realini

Laboratory science

The relationship between anti-vascular endothelial growth factor and fibrosis in proliferative retinopathy: clinical and laboratory evidence

Q Zhang, Y Qi, L Chen, X Shi, Y Bai, L Huang, W Yu, Y Jiang, M Zhao, X Li