



Cover image: Taken from Basu S *et al.* Clinical appearance of eyes undergoing LVP keratoprsthesis (Kpro) implantation. See page 593.

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 7111 1105
E: bjournal@bmj.com
Twitter: @BJOphthalmology

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

Impact factor: 3.384

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: © 2019 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 Exeter Premedia Services Private Limited, 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 WVN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Editorial

- 577** Deep learning for retinopathy of prematurity screening
D S W Ting, W-C Wu, C Toth

Clinical science

- 580** Evaluation of a deep learning image assessment system for detecting severe retinopathy of prematurity
T K Redd, J P Campbell, J M Brown, S J Kim, S Ostmo, R V P Chan, J Dy, D Erdogmus, S Ioannidis, J Kalpathy-Cramer, M F Chiang, for the Imaging and Informatics in Retinopathy of Prematurity (i-ROP) Research Consortium
- 585** Relationship between vessel density and visual field sensitivity in glaucomatous eyes with high myopia
J W Shin, J Kwon, J Lee, M S Kook
- 592** LVP keratoprosthesis: anatomical and functional outcomes in bilateral end-stage corneal blindness
S Basu, R Nagpal, J C Serna-Ojeda, S Bhalekar, B Bagga, V Sangwan
- 599** Outcomes of ultrathin Descemet stripping automated endothelial keratoplasty (UT-DSAEK) performed in eyes with failure of primary Descemet membrane endothelial keratoplasty (DMEK)
S Graffi, P Leon, Y Nahum, S Gutfreund, R Spena, L Mattioli, M Busin
- 604** Relationship of intercapillary area with visual acuity in diabetes mellitus: an optical coherence tomography angiography study
F Tang, Z Sun, R Wong, J Lok, A Lam, C C Tham, C KM Chan, S Mohamed, T CH Lam, S KH Szeto, D S Ng, C Y Cheung
- 610** Comparison of short-wavelength blue-light autofluorescence and conventional blue-light autofluorescence in geographic atrophy
E Borrelli, M G Nittala, N S Abdelfattah, J Lei, A H Hariri, Y Shi, W Fan, M Cozzi, V Sarao, P Lanzetta, G Staurenghi, SV R Sadda
- 617** Five-year visual outcomes after anti-VEGF therapy with or without photodynamic therapy for polypoidal choroidal vasculopathy
M Miyata, S Ooto, K Yamashiro, H Tamura, M Hata, N Ueda-Arakawa, M Yoshikawa, S Numa, A Tsujikawa

- 623** Characteristics of patients with neovascular age-related macular degeneration who are non-responders to intravitreal aflibercept
C Hara, T Wakabayashi, H Toyama, Y Fukushima, K Sayanagi, S Sato, H Sakaguchi, K Nishida
- 630** Morphological and topographical appearance of microaneurysms on optical coherence tomography angiography
V Schreur, A Domanian, B Liefers, F G Venhuizen, B J Klevering, C B Hoyng, E K de Jong, T Theelen
- 636** Clinical features of paediatric uveitis at a tertiary referral centre in São Paulo, SP, Brazil
F M S Souto, B V Giampietro, J T Takiuti, L M A Campos, C E Hirata, J H Yamamoto
- 641** Intraocular bleeding in patients managed with novel oral anticoagulation and traditional anticoagulation: a network meta-analysis and systematic review
K Phan, D Lloyd, A Wilson-Smith, V Leung, M Andric
- 648** Randomised, prospective clinical trial of platelet-rich plasma injection in the management of severe dry eye
M Y Avila, A M Igua, A M Mora
- 654** Cycloplegic refraction by 1% cyclopentolate in young adults: is it the gold standard? The Anyang University Students Eye Study (AUSES)
Y-Y Sun, S-F Wei, S-M Li, J-P Hu, X-H Yang, K Cao, C-X Lin, J-L Du, J-Y Guo, H Li, L-R Liu, I G Morgan, N Wang
- 659** Surgical outcomes of a new affordable non-valved glaucoma drainage device and Ahmed glaucoma valve: comparison in the first year
V Pathak Ray, D P Rao

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://authors.bmj.com/open-access>



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics
www.publicationethics.org.uk



When you have finished with this magazine please recycle it.

- 666** Prevalence and clinical consequences of cytomegalovirus DNA in the aqueous humour and corneal transplants
C-H Hsiao, Y-S Hwang, W-Y Chuang, D H K Ma, L-K Yeh, S-Y Chen, J-C Shu
- 672** Quantitative retinal microvasculature in children using swept-source optical coherence tomography: the Hong Kong Children Eye Study
C Y Cheung, J Li, N Yuan, G Y L Lau, A Y F Chan, A Lam, F Y Tang, C C Tham, C-P Pang, L J Chen, J C Yam
- 680** Squamous cell carcinoma in the anophthalmic socket: a series of four cases with HPV-16 profiling
L A McGrath, S M Salvi, S Sandramouli, R Bhatt, K Cuschieri, H S Mudhar
- 686** Functional and aesthetic outcomes of eyelid skin grafting in facial nerve palsy
S E Maqsood, N Cascone, A Grixiti, R Kannan, C Nduka, R Malhotra
- 692** Optic nerve oedema at high altitude occurs independent of acute mountain sickness
A Schatz, V Guggenberger, M D Fischer, K Schommer, K U Bartz-Schmidt, F Gekeler, G Willmann
- 699** Prior non-irradiative focal therapies do not compromise the efficacy of delayed episcleral plaque brachytherapy in retinoblastoma
J T Lucas, R McGeer, C A Billups, I Qaddoumi, T E Merchant, R C Brennan, J Wu, M W Wilson
- 704** Repeatability of vessel density measurements using optical coherence tomography angiography in retinal diseases
M-W Lee, K-M Kim, H-B Lim, Y-J Jo, J-Y Kim

Reviews

- 711** Progressive cone and cone-rod dystrophies: clinical features, molecular genetics and prospects for therapy



J S Gill, M Georgiou, A Kalitzeos, A T Moore, M Michaelides

- 721** Non-invasive diagnosis of retinoblastoma using cell-free DNA from aqueous humour



A Gerrish, E Stone, S Clokie, J R Ainsworth, H Jenkinson, M McCalla, C Hitchcott, I Colmenero, S Allen, M Parulekar, T Cole