Contents

Editorials

383  Ocular prostheses: not quite an eye for an eye
R Malhotra

385  Challenges in estimating the accuracy of imaging-based detection methods for glaucomatous progression
K A Vermeer, H G Lemij

Cover illustration

387  A master mastering the ophthalmoscope: Eduard von Jaeger
R Keeler, A D Singh, H S Dua

Review

389  Is sunlight exposure a risk factor for age-related macular degeneration? A systematic review and meta-analysis

Innovations

395  Intravitreal injections using a novel conjunctival mould: a comparison with a conventional technique
C Ratnansajan, R Nath, S Appaswamy, S-L Watson

Original articles

Clinical science

398  Meibomian gland dysfunction in longstanding prosthetic eye wearers
S Y Jang, S Y Lee, J S Yoon

403  Detection of glaucoma progression by population and individual derived variability criteria
L S Folio, G Wellston, J Kotowski, R A Bilnick, Y Ling, H Ishikawa, L Kagemann, J S Schuman

408  Müller’s muscle–conjunctival resection for upper eyelid ptosis: correlation between amount of resected tissue and outcome
N Nemi Zaheer, T Koval, M Kanori, A Matani, M Rosner, C G Ben-Simon

412  Ocular adnexal IgG4-related disease: CT and MRI findings
Y S Song, H-K Chung, S-W Park, J-H Kim, S I Khwarg, Y K Jeon

419  The long-term psychosocial impact of corrective surgery for adults with strabismus
S Jackson, M Morris, K Gleeson

423  Prevalence of ocular abnormalities in adults with Down syndrome in Hong Kong
A H C Fong, J Sham, A L K Ng, K K W Li, S McGhee, D Wong

429  Initial treatment of Pseudomonas aeruginosa contact lens-associated keratitis with topical chloramphenicol, and effect on outcome
R Bourjafa, S Kaye, C Bunce, J Shukwar, T Neal, S Taft

433  Long-term follow-up of riboflavin/ultraviolet A (370 nm) corneal collagen cross-linking to halt the progression of keratoconus
D P S O’Bart, T Q Kwong, P Patel, R J McDonald, N A O’Bart

438  Management of postkeratoplasty astigmatism by paired arcuate incisions with compression sutures
U Fares, A A Makushi, M A Al-Aqaba, A M Ott, A Min, H S Dua

444  Two-year results of AcrySof toric intraocular lens implantation in patients with combined microincision vitrectomy surgery and phacoemulsification
J Y Lee, K A Kang, J P Shin, I T Kim, S Y Kim, D H Park

450  Proinflammatory cytokines in aqueous humour correlate with aqueous flare in patients with rhegmatogenous retinal detachment
R Hoerster, M M Hermann, A Rosenkreutz, P S Muether, B Krichhoff, S Fauser

454  Plasma levels of vascular endothelial growth factor before and after intravitreal injection of bevacizumab, ranibizumab and pegaptanib in patients with age-related macular degeneration, and in patients with diabetic macular oedema
C Zehetner, R Krichmann, S Huber, M T Kralinger, G F Kastel扶ich

More contents
460 Intravitreal injections at the Massachusetts Eye and Ear Infirmary: analysis of treatment indications and postinjection endophthalmitis rates
M Englander, T C Chen, E I Paschalidis, J W Miller, I K Kim

466 Influence of single-fraction Gamma-Knife radiosurgery on ocular surface and tear function in choroidal melanoma patients
J Horwath-Winter, M R Schneider, W Wackernagel, D Rahenstein, I Boldin, E-M Haller-Schober, G Langmann

471 Whole anterior segment proton beam radiotherapy for diffuse iris melanoma
L Konstantinidis, D Roberts, R D Errington, A Kasperek, B Damato

475 Sporadic unilateral retinoblastoma or first sign of bilateral disease?
P Temming, A Viehmann, E Biewald, D R Lohmann

481 Adalimumab therapy for refractory uveitis: results of a multicentre, open-label, prospective trial

487 Effectiveness of the community-based Low Vision Service Wales: a long-term outcome study
B Ryan, J Khadka, C Bunce, H Court

492 Oral administration of Ag suppresses Ag-induced allergic conjunctivitis in mice: critical timing and dose of Ag
W Ishida, K Fukuda, Y Harada, T Sumi, O Taguchi, M Tsuda, H Yagita, A Fukushima

498 Efficacy of herpes virus helicase-primase inhibitor, ASP2151, for treating herpes simplex keratitis in mouse model
S-i Sasaki, D Miyazaki, T Hanaki, Y Yamamoto, M Kandori, K Yokura, H Suzuki, Y Inoue

504 Investigation of the peptidoglycan sensing molecule, PGLYRP-2, in murine inflammatory uveitis
J S Clowers, J J Allenworth, E J Lee, H L Rosenzweig

511 In vitro induction of protein complexes between bevacizumab, VEGF-A, and heparin: explanation for deposits observed on endothelial veins in monkey eyes
S Julien, A Biemeieter, U Schraermeyer

518 High-resolution imaging of autofluorescent particles within drusen using structured illumination microscopy
S Rossberger, T Ach, G Best, C Cremer, R Hantzmann, S Dithmar

524 Grey and white matter changes in children with monocular amblyopia: voxel-based morphometry and diffusion tensor imaging study
Q Li, Q Jiang, M Gao, Q Li, C Cai, X Yin

Education
530 How to do conjunctival and buccal biopsies to investigate cicatrising conjunctivitis: improving the diagnosis of ocular mucous membrane pemphigoid
A E Grau, J Setterfield, V P J Saw

PostScript
532 Letters