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Highlights from this issue

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Randleman *et al* (see page 1176)

There are significant, clinically relevant differences between regional and relational thickness measurements obtained with Ultrasound, scanning-slit, Scheimpflug, and OCT devices. Screening metrics devised for one system do not appear directly applicable to other measurement systems.

Sharma *et al* (see page 1182)

In a randomized clinical trial to determine the efficacy of topical voriconazole versus natamycin in the treatment of fungal keratitis, natamycin was more effective.

Kamath *et al* (see page 1182)

Aqueous penetration of topical moxifloxacin exceeds that following oral administration.

Verma *et al* (see page 1186)

The specificity of the AdenoPlus point-of-care adenoviral conjunctivitis test is high but the sensitivity much lower than previously published, compared to polymerase chain reaction as a reference standard.

Huang *et al* (see page 1196)

In a study of normals, subjects with perimetric glaucoma and a healthy reference group, a function called “the glaucoma structural disease index” combining fourier-domain optical coherence tomography variables from three anatomic areas was observed to improved accuracy of glaucoma diagnosis.

Melki *et al* (see page 1201)

Gas bubbles may migrate into the anterior chamber during femtosecond laser-assisted LASIK. Bubbles first appear in the nasal or inferior angle, which may reflect a distinctive anatomy of the inferonasal outflow pathway.

Steeple *et al* (see page 1206)

Case series description of late intraocular lens dislocation in patients with uveitis.

Yoshikatsu Hosoda *et al* (see page 1211)

The effectiveness of subtenon triamcinolone acetonide injection as a primary treatment is reported in a retrospective study of 27 eyes of 14 patients with acute Vogt-Koyanagi-Harada disease.

McCluskey *et al* (see page 1215)

The clinical findings of 37 eyes with ocular syphilis presenting to a tertiary referral unit over a 5 year period are reported.

Galvez-Ruiz *et al* (see page 1220)

In a retrospective study of 50 patients with methanol poisoning, optic disc

cupping was observed in at least one eye of 22 patients.

Ferreras *et al* (see page 1230)

The relationship between groups of threshold-related points within the visual field and the peripapillary retinal nerve fibre layer thickness measured with spectral-domain optical coherence tomography is moderate, asymmetric and linear in glaucoma.

Turpin *et al* (see page 1236)

Adding a pair of locations to the superior macular region of standard fields often increases the number of abnormal locations identified in individuals with glaucoma.

Asaoka *et al* (see page 1240)

In a study of visual fields in eyes with concomitant cataract and glaucoma, pattern deviation values were observed to underestimate glaucomatous visual field damage in eyes with advanced glaucoma and overestimate visual field damage in eyes with mild to moderate cataract.

Congdon *et al* (see page 1245)

Some 40% of patients with treated ocular hypertension in this clinic-based setting were able to safely discontinue topical hypotensive medication for at least one year.

Wolffsohn *et al* (see page 1251)

The force required to expel a drop differs between Prostaglandin monotherapy dropper designs. This exceeded the maximum force that could be comfortably applied by around half of patients. This may affect compliance and efficacy.

Dadaci *et al* (see page 1255)

In healthy pregnant women, choroidal thickness was observed to decrease significantly in the third compared to the first trimester.

Flores-Moreno *et al* (see page 1260)

En face swept-source optical coherence tomography may be used in the characterisation of age-related macular degeneration. Hyperreflective and hyporefective changes at retinal pigment epithelium, choriocapillaris, Sattler and Haller’s layer are described.

Munk *et al* (see page 1268)

Ranibizumab may successfully stop choroidal neovascularisation (CNV) activity and decrease central-retinal-thickness in subfoveal CNV associated with Stargardt disease but it may aggravate atrophy growth and it may fail to improve visual function.

Kim *et al* (see page 1271)

In a study of macular oedema secondary to branch retinal vein occlusions, monthly

intravitreal injections of bevacizumab administered as required produced a comparable visual improvement and central foveal thickness to an intravitreal dexamethasone implant given at 6-month intervals.

Freeman *et al* (see page 1277)

A ring of hyper-autofluorescence was observed in 38% of 362 eyes with wet age-related macular degeneration (AMD). Its observed association with baseline subretinal fluid and disruption of the ellipsoid zone line of the photoreceptors on OCT are hypothesized to indicate continuous stress on the outer retinal structures after exposure to prolonged subretinal fluid and/or transmitted autofluorescence from loss of photoreceptors overlying the RPE.

Koizumi *et al* (see page 1284)

In a study of 91 eyes of 88 patients with polypoidal choroidal vasculopathy, who received monthly aflibercept injections for 3 months, visual acuity and macular morphology were found to improve over the short term.

Schmitz-Valckenberg *et al* (see page 1289)

Distinct phenotypic characteristics of reticular drusen are detectable using multimodal high-resolution imaging. The “dot” pattern is visible in 44% subjects using near-infrared confocal scanning laser ophthalmoscopy imaging underlying dynamic changes within two years.

Ramachandran *et al* (see page 1295)

Mitomycin C when used at a low concentration effectively opposes excess contraction and migration of nasal mucosa fibroblasts thus limiting cicatricial closure following Dacryocystorhinostomy.

Huang *et al* (see page 1301)

The use of large-diameter deep anterior lamellar keratoplasty improves visual and refractive outcomes for patients with keratoconus.

Jiang *et al* (see page 1301)

In a study of toll-like receptor 4 polymorphisms in Han Chinese type-2 diabetes mellitus patients and controls, an association was observed between rs1927914 and susceptibility to diabetic retinopathy.

Jang *et al* (see page 1306)

In a laboratory study of lacrimal gland tumors, tear leptin concentration was higher in adenoid cystic carcinoma than pleomorphic adenoma. Leptin nuclear staining was only observed in the adenoid cystic carcinoma tissue.