

CONTACT LENSES

Levchenko Yu. S., Kudryavskaya I. V.

Clinical experience of usage Balafilcon A silicone hydrogel contact lenses as a therapeutic bandage lens 3

There is some information of about treatment of recurrent corneal epithelial defects. The authors present clinical cases of usage Balafilcon A soft contact lenses (PureVision 2, manufacturer Bausch + Lomb, Rochester, USA) for therapeutic purposes. As a result, there is the reduction of the corneal syndrome and the lens provides advantageous conditions for the regeneration of the anterior epithelium.

Keywords: bandage soft contact lenses, balafilcon A, corneal epithelial defects, epithelial dystrophy, therapeutic use of SCL

Sethi W.

Contact lens compliance 9

This article considers the consequences of non-compliance in contact lens wearers and how to address these issues.

Keywords: acanthamoeba keratitis, complications, contact lens care, contact lenses

SPECTACLES AND OPHTHALMIC LENSES

Shcherbakova O. A.

Who is suited better to polarized lenses? 14

Polarized lenses are already quite known to consumers who appreciate their unique properties. Unlike conventional sunglasses, they not only protect the eyes from excessive sunlight brightness, but completely eliminate blinding shine, providing higher comfort and quality of vision.

Keywords: polarized lenses, polarization, light, vision

DIAGNOSTICS, TREATMENT, PHARMACOLOGY, PHARMAGY

Logan N.

Myopia management: assessing outcomes 18

This CET article outlines the importance of myopia management and the methods for monitoring the impact of intervention strategies.

Keywords: myopia, optical biometer, axial length, myopia control

Srinivasan S.

Dry eye update: new diagnostic and management strategies 24

The article discusses existing difficulties in the diagnosis of dry eye syndrome, provides an overview of new methods and instruments for diagnosing this disease, as well as new therapeutic methods.

Keywords: diagnosis, dry eye disease, osmolarity, tear, therapy

OPHTHALMOSURGERY

Kozhukhov A. A., Kapranov D. O.

Increase in refractive results of phacoemulsification of cataract complicated by impairment of capsular support of the lens 30

The authors propose an original method for fixing the intraocular lens (IOL) in the layers of the cornea after phacoemulsification of cataracts (FEC), complicated by a violation of capsular lens support. The obtained results show that the developed technique provides (in comparison with the traditional fixation under the scleral flap and to the iris) a higher refractive effect due to a decrease in the probability of changing the position of the IOL, the occurrence of induced astigmatism, which ultimately leads to the achievement after surgery of a higher level of quality life of the patient.

Keywords: capsule of the lens, intraocular lens, phacoemulsification of cataract

EDUCATION

Anniversary forum was successful 34

The 20th forum for opticians, optometrists and ophthalmologists was held in Saint Petersburg on 23–25 March 2018. It is a traditional annual event, where eyecare professionals can engage in continuing education.

NEW O. D.

Jawaid I., Stead R., King A.

Optometric assessment of raised intraocular pressure 38

This article considers the underlying physiological factors relating to intraocular pressure and presents case studies to highlight patient examination and management

Keywords: closed angle glaucoma, examination, glaucoma, IOP, open angle glaucoma

NEW PRODUCTS

Gosling T.

Helping relieve new visual demands 45

In this work, we studied new Nulux Active lenses designed to provide users with comfortable vision during long-term use of digital devices and visual work at close range.

Keywords: aspheric surface, Hoya, near vision, Nulux Sync