

NEWS

Johnson & Johnson Institute in Moscow: 10 years, 10 thousand specialists 3

CONTACT LENSES

Perfilyeva Ye. A., Markova Ye. Yu., Mashkov D. A.

Assessment of contact lenses impact on tissues of the anterior segment of the eye with optical coherence tomography 5

There is a review of application in contact correction one of the most dynamic progressing diagnostic methods – an optical coherence tomography. There are some clinical cases with pictures captured with the OCT-scan, which allow to assess the interaction between contact lenses and the anterior eye tissues with non-invasive diagnostic method.

Keywords: contact correction of vision, contact lenses, optical coherent tomography, non-invasive diagnostic methods

Ensley R., Gaddie B.

Avoid the itch 11

With the approach of the allergy season, in spring and autumn, ophthalmologists and optometrists are preparing for the influx of patients with eye allergies. The article discusses the main types of such allergies, their symptoms, mechanisms of the allergic cascade, and treatment methods.

Keywords: allergy, conjunctivitis, immune response

Kozlovtssev A. V.

Comparative analysis of Beyond lenses with products of leading manufacturers 20

Clearlab International Ltd. is widely known for its innovative approaches in developing and manufacturing of contact lenses. In 2015 its range was replenished with Beyond family of biocompatible lenses. Using Beyond 1-day spherical lenses as an example, the article discusses how much this product deserves the attention of specialists and whether it can compete with the developments of leading manufacturers of contact lenses.

Kozlovtssev A. V.

Hydrogel lenses – a worthy alternative to silicone hydrogels 25

Today in a professional environment it would be necessary to believe that silicone-hydrogel contact lenses are the best choice for patients and hydrogel lenses should only be used in exceptional cases. The article considers how reasonable this point of view is and whether there are hydrogel lenses in our time, which may could become a priority choice for most patients.

SPECTACLES AND OPHTHALMIC LENSES

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Prisms in practice 28

This article discusses various dispensing considerations in relation to prisms and outlines their use in special optical appliances.

Keywords: chromatic aberration, dispersion, prisms, spectacles

A series of specialized lenses for drivers from Grand Vision Company LLC in the r + h EyeDrive and Nikon SeeDrive ranges 34

Drivers are one of the largest customer groups in optical stores, second only to computer and mobile device users. This reason is good enough to develop a special series of lenses specifically for this group of consumers. Grand Vision Company LLC offers a solution from two leading manufacturers: a line of coatings and designs from the German company Rupp + Hubrach Optik and from the Japanese company Nikon.

NEW O.D.

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How to measure pupillary distance 37

The most urgent topic regarding the work of our specialists in the field of medical optics and optometry is the simple, at first glance, measurement of interpupillary distance. Considering that this procedure is carried out in the optics salon daily and in almost every patient when prescribing spectacle correction, it is difficult to overestimate its significance. Nevertheless, there are a lot of gaps in knowledge and skills for its implementation.

Keywords: pupillary distance, measurement, spectacle vision correction

IN PRACTICE

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Why improve the perfect visual acuity 20/20? 41

Visual acuity 20/20 may be evidence of incomplete vision correction and does not protect the patient of asthenopic complaints.

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