

## CONTACT LENSES

*Gifford P.***Orthokeratology for slowing progression of myopia****3**

In the article, the author focuses on such nuances of selecting ortho-K lenses to slow the progression of myopia, such as residual astigmatism and corneal toricity. An algorithm is provided for deciding which lenses to use - spherical or toric.

**Keywords:** astigmatism, corneal toricity, myopia, orthokeratology

*Saliman N. H.***Inflammatory response of the ocular surface in contact lens wear****13**

This article reviews the incidence of clinical and subclinical inflammation of the ocular surface in response to soft contact lens wear.

**Keywords:** contact lenses, contact lens care solutions, inflammation, ocular surface

## DIAGNOSTICS, TREATMENT, PHARMACOLOGY, PHARMACY

*Bullimore M. A.***Myopia control and contact lenses****20**

The article presents a review of the existing scientific literature on the effectiveness, safety and benefits of using orthokeratology and soft multifocal contact lenses in children to slow the progression of myopia.

**Keywords:** children, myopia, myopia control, orthokeratology, safety

*Frolov O. A., Novikov S. A.***Long-term results of corneal collagen crosslinking in patients with secondary ectasia after LASIK****29**

Since the late 1990s, the method of corneal collagen crosslinking has been introduced into clinical practice, aimed at stabilizing the pathological process by increasing the strength properties and strengthening the corneal tissues. In domestic and foreign sources, there is insufficient information about the long-term results of corneal crosslinking in this pathology. Purpose: to conduct a retrospective study of the results of corneal collagen crosslinking in patients with corneal ectasia after LASIK. The results of the analysis revealed a statistically significant increase in corrected visual acuity, a decrease in the index of asymmetry and a decrease in the refractive power of the cornea in the center of ectasia. The obtained results are confirmed by statistical analysis.

**Keywords:** collagen crosslinking, riboflavin, secondary ectasia of the cornea, ultraviolet radiation

## NEW O.D.

*Brown H. D., Morland A. B.***Consequences of ocular disease on the brain****34**

This article will explain how magnetic resonance imaging (MRI) can be used to assess the consequences of retinal disease on the brain and discuss why this should be considered in the context of visual restoration.

**Keywords:** AMD, brain, glaucoma, MRI

## IN PRACTICE

*Rinskaya N. V.***Help for a patient with decompensating heterophoria****41**

In the article, an experienced specialist involved in the correction of binocular vision disorders talks about an unusual case of correction of decompensating heterophoria.