

CONTACT LENSES

*DeNaeyer G.***Bausch + Lomb ULTRA contact lenses with MoistureSeal technology. Taking contact lens properties and design to the next level for best in class performance** 3*Willcox M.***Contact lens-related keratitis and ocular microbiology** 7

This article is partially an update of an article that author published in the April 2011 issue of Contact Lens Spectrum titled "Microbiology and contact lens wear." As such, it will review what has been occurring in this area over the past six years.

Keywords: contact lenses, microbial keratitis, microbiome, microbiota*Kading D. L.***Daily disposables: heightened opportunity** 19

Most believe that daily disposables are the healthiest soft contact lenses – so why fit anything else?

Keywords: contact lenses, daily lenses, discomfort, dry eye, health

SPECTACLES AND OPHTHALMIC LENSES

*Shcherbakova O. A.***Tribrid – material of the 21st century** 26

Recognizing the merits of high-index lenses eye care professionals are always happy when the new optical material in this category appears in the market. Tribrid is known for several years, but many opticians do not know about it. Consider, what are its advantages.

Keywords: high index materials, PPG Industries, spectacle lenses, Tribrid

RESEARCH

*Arutyunyan S. G.***Parameters of accommodation and pseudoaccommodation under the myopia and hyperopia in conditions of spectacle and contact correction of vision** 29

The purpose of this work was comparative study of accommodation and pseudoaccommodation in glasses and in soft contact lenses in children and young people with myopia and hyperopia. It has been shown that contact correction, in comparison with spectacle, increases accommodative spasticity, as well as the magnitude of pseudo-accommodation. Both effects create better conditions for increasing visual performance.

Keywords: accommodation, accommodation response, hyperopia, myopia, pseudoaccommodation, soft contact lenses

DIAGNOSTICS, TREATMENT, PHARMACOLOGY, PHARMAGY

*Sokolov V. O., Frolov O. A., Malakhova Yu. I.***About expanding the indications for corneal collagen cross-linking** 34

The clinical cases of corneal collagen crosslinking procedure in patients with different pathologies of the cornea are presented in this article.

Keywords: corneal collagen, corneal erosion, cross-linking

POINT OF VIEW

*Shcherbakova O. A.***Should we trust online eye tests?** 40

Internet has become an essential part of our life – people turn to the internet for everything, from information to shopping, entertainment and making a living. Now even an eye exam can be performed with just a laptop and a smartphone. But can online eye testing replace the ophthalmologist or optometrist expertise?

Keywords: high index materials, PPG Industries, spectacle lenses, Tribrid