

CONTACT LENSES

*Luensmann D.***A meta-analysis of studies on cosmetically tinted soft contact lenses**

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Rah et al. conducted a meta-analysis to determine the safety of cosmetically tinted hydrogel lenses, which have been investigated in six different studies over periods of one week to three months. Here is a brief review of this paper.

Keywords: colored lenses, contact lenses, corneal infiltrate, meta-analysis, safety

*Pucker A.***Contact lens material properties**

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There are a number of important contact lens material properties that can have an impact on a patient's ocular health and wearing experience and these properties can vary widely, depending upon the material being tested (e. g., traditional hydrogel, silicone hydrogel). While this article is unable to elaborate on every aspect of contact lens design, it will summarize many of the commonly described contact lens material properties. It will also briefly describe how some properties are believed to influence each other and how the various contact lens properties may impact their clinical performance.

Keywords: contact lenses, hydrogel, material, modulus, oxygen permeability, silicone hydrogel

*Laurent J. M., Deligio D.***Specialty and custom soft contact lenses**

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Many options are available for patients who can't use "off-the-shelf" soft contact lenses.

Keywords: keratoconus, multifocal contact lenses, presbyopia, prosthetic contact lenses, soft contact lenses

SPECTACLES AND OPHTHALMIC LENSES

*Shcherbakova O. A.***Is it profitable to have in office edging?**

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Little by little the optical market is stabilizing and adapting to today's economic situation. While customers exhibit more rational approach to buying glasses, the optical companies review their cost of production. More and more CEOs are thinking about whether it is profitable or not to open a new workshop or to reorganize an existing one.

Keywords: finishing equipment, optical salon, optical workshop, spectacles manufacture

OPHTHALMOSURGERY

*Eskina E. N., Parshina V. A.***The results of excimer laser correction of myopia and presbyopia with PRK**

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The aim of this study was to compare the efficacy, safety and predictability of correction of myopia and presbyopia by the PRK with application of a bi-aspheric multifocal profile on the cornea using PresbyMAX software and correction of myopia by the LASIK. It has been shown that PRK with application of a bi-aspheric multifocal profile on the cornea using PresbyMAX software unlike LASIK allows not only to achieve correction of myopia but also to improve near and intermediate visual acuity.

Keywords: bi-aspheric multifocal profile, LASIK, myopia, PresbyMAX, presbyopia, PRK

DIAGNOSTICS, TREATMENT, PHARMACOLOGY, PHARMACY

*Ovechkin I. G., Grishchenko I. V., Malyshev A. V., Yudin V. Ye.***Comparative evaluation of parameters of objective akomodography, subjective status and level of psychological maladaptation in patients with different types of refraction and asthenopic complaints**

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The authors established the differences between the indices of objective akomodography, the subjective visual and medical-psychological status of a patient with hypermetropic refraction in comparison with myopic and emmetropic. It is determined that the presence of visually-stressed labor with hypermetropic refraction of expressed asthenopic complaints in the patient requires the inclusion of specific (directly affecting the organ of vision) treatment of nonspecific methods of restorative medicine aimed at correcting (relaxing) the psychoemotional state of the patient.

Keywords: accommodation, hypermetropia, refraction, visually-intensive work

*Kulikov A. N., Sosnovsky S. V., Gribov N. A., Berezin R. D., Oskanov D. Kh.***Comparison of the effectiveness of various protocols for the switching to aflibercept in patients with neovascular AMD and tachyphylaxis for ranibizumab**

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The aim of this work was to provide the comparative analysis of short-term efficacy of different protocols of switching to aflibercept with tachyphylaxis after systemic anti-angiogenic therapy to ranibizumab in real-life treatment of neovascular AMD. The results show that by switching of an angiogenesis inhibitor from ranibizumab to aflibercept in some cases we can overcome the tachyphylaxis of neovascular AMD to anti-angiogenic therapy. None of the studied protocols the change of an angiogenesis inhibitor showed no advantage according to the functional criterion the dynamics of visual acuity. On the dynamics of CRT protocol use of aflibercept in monthly IVV providing a significantly better anatomical result.

Keywords: aflibercept, neovascular age-related macular degeneration, ranibizumab, switching

DISCUSSION

*Ovechkin I. G., Grishchenko I. V.***To the question of risk factors in computer vision syndrome (in response to the paper "Epidemiology and risk factors of computer vision syndrome" by S.A. Korotkikh)**

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This article is written in response to the paper "Epidemiology and risk factors of computer vision syndrome" that was published in 102 issue of this journal. Its authors discuss several points that caught their attention.