

CONTACT LENSES

*Ngo W., Nichols J.***How important is the soft lens fit anyway?**

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New tips and tricks can help practitioners predict fit, reduce fit failures, and increase patient satisfaction.

Key words: soft contact lenses, base curve, lens fitting, sagittal height

*Ramdass S., Fromstein S.***Coloured contact lenses for normal, damaged and disfigured eyes**

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Through a series of cases, this article considers the clinical indications for using coloured contact lenses to improve the cosmetic and functional outcomes for patients

Keywords: aniridia, colored contact lenses, strabismus, Toxocara

SPECTACLES AND OPHTHALMIC LENSES

Eyeglass consumer: generational shopping behavior

15

Many wearers, regardless of age or generation, enjoy shopping for new eyeglasses. The experience of combining lenses and frames offers an opportunity to display unique features of their personality and style. We'll present the data of the research devoted to shopping behavior of different age groups at purchase of glasses and lenses.

Keywords: dispensing, kids, optical outlet

DIAGNOSTICS, TREATMENT, PHERMACOLOGY, PHARMAGY

*Kacherovich P. A., Kulikov A. N., Reituzov V. A., Maltsev D. S., Lapina N. V.***Experimental justification of possibility n-holinolytic treatment eye lesions caused by gas weapon**

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Gas-based weaponry is presently used in special forms by law enforcement agencies for the purpose of riot control as well as for self-defense. The law enforcement structures and means of self-defense have been provided in the last years by modern gas-based weapons: oleoresin capsaicin (OC) and its synthetic analogues, used alone or in combination with orthochlorbenziloidenmalonodinitrile (CS gas). This article presents the experience of using solution Pediphen in treatment of lesions in the anterior segment of a rabbit eye caused by inducing an experimentally modeled trauma resulting from exposure to a gas-based self-defense weapon. This data were compare with control group without treatment and with group where animals have a treatment by maxitrol.

Keywords: eye burn treatment, eye trauma, gas weapon, n-cholinolytic

RESEARCH

*Proskurina O. V., Tarasova N. A., Tarutta Ye. P.***Accommodation disorders often precede the development and progression of myopia in children**

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We prescribed points for training accommodation with horizontal progression in 1.0D to children with myopia and pseudomyopia. The children used this glasses daily for 1–2 hours. After 4–5 weeks, tonic accommodation decreased and uncorrected visual acuity increased. The objective accommodative amplitude and positive relative accommodation increased. The points for training accommodation with horizontal progression can be used in the complex treatment of accommodative disorders in children with pseudomyopia and myopia.

Keywords: accommodative disorders, accommodation training, myopia in children, pseudomyopia, tonic accommodation

NEW O.D.

*Strong S., Fulcher C.***High-level processing and visual illusions**

30

This article outlines the basic principles of high-level processing and uses a series of visual illusions to explain the underlying mechanisms.

Keywords: color perception, Ponzo illusion, retina, visual cortex

POINT OF VIEW

*Stevens R., Bartlett H.***Nutrition and age-related macular degeneration**

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This article explores the evidence base around dietary supplementation a age-related macular degeneration, including findings from the two Age-R Eye Disease Studies (AREDS), providing a clinical decision-making aid to practitioners in giving supplementation and dietary modification advice.

Keywords: age-related macular degeneration, AREDS, AREDS 2, genetics, lutein, nutritional supplement, study, zeaxanthin