

SPECTACLES AND OPHTHALMIC LENSES

*Shcherbakova O. A.***New lenses and coatings for safe driving**

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Driving has become essential to modern day living. Good eyesight is essential for safe driving – even a small loss of vision can affect the ability to read road signs or recognise objects from a distance.

Keywords: BBGR, Carl Zeiss Vision, dispensing, driver, glare, lenses, optician, Rodenstock, Rupp + Hubrach Optik, Seiko OpticalProducts, sun, Tokai Optecs, vision

*Kushel T. K.***Aberrometry and ways to improve vision modern progressive lenses**

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This article is based on the work of Dr. Dietmar Uttenweiler and Cristina Butz consider the latest achievements in the creation of designs of spectacle lenses, and Rodenstock system that allows near cylinder differences and high-order aberrations to be incorporated into the ophthalmic lenses

Keywords: aberrations, aberrometry, DNEye scanner, EyeLT, Personal EyeModel, EyeModel, near vision, progressive lenses, Rodenstock

CONTACT LENSES

*Postnikoff C., Nichols J. J.***More than meets the eye. Subclinical inflammation**

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A look at subclinical inflammation, including whether and how it is affected by contact lens wear.

Keywords: contact lens, immune system, ocular surface, subclinical inflammation, tear film

DIAGNOSTICS, TREATMENT, PHERMACOLOGY, PHARMAGY

*Doktorova T. A., Kovalskaya A. A., Koskin S. A.***Comparative analysis of visometry results obtained with optometric chart and image projector**

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Visometry results received using optometric chart and image projector with different optotypes at different distances were compared. Method of visual acuity calculation below 0.1 using image projector that allows to obtain correct value depending on distance from projector to screen is proposed. It was determined that visometry results using image projector and optometric chart may significantly differ.

Keywords: image projector, optometric chart, visometry, visual acuity

*Limbachia P., Bartlett H.***Nutritional supplements for glaucoma**

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This article considers the potential role of nutritional supplementation upon glaucoma risk and progression.

Keywords: bilberries, ginkgo biloba, glaucoma, nutritional supplements, vitamin C

EDUCATION

*Kruger G. S.***XII optometric conference “Refraction-2016” in Samara**

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XII optometric conference, already a tradition, was held in Samara from November 25 to 26, 2016. Here is our brief report from the event.

FAMOUS SCIENTISTS

In memory of a master

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On November 25, 2016 after a long illness at the age of 87 years passed away doctor of medical sciences, professor, laureate of the State Prize of the USSR, Honored Worker of Science, retired colonel Nikolai A. Ushakov.