

NEWS

On wearing contact lenses during the COVID-19 pandemic

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CONTACT LENSES

*Zimovets S. V.***The challenge of contact lens manufacturing technology in the digital age**

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The main task of modern contact lenses is a balance between maintaining eye health, high quality vision and user's comfort during the day. How do the contact lens material, patients complaints of dryness and burning, and normal tear production related to each other? All these questions can be answered by appealing at the research, devoted to this study and evaluating the properties of lens materials from user's point of view. These studies describe contact lenses, made of samfilcon A material, containing polyvinylpyrrolidone (PVP) as a moisturizing component.

Keywords: comfort, contact correction, dehydration, polyvinylpyrrolidone, samfilcon A, silicone-hydrogel, soft contact lenses, tear film, vision quality

*Worp E., van der***Fit first – practical implications of multifocal soft lens design and fit**

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This article emphasises the importance of ensuring a suitable fit to achieve a successful visual outcome for soft multifocal contact lens wearers.

Keywords: decentration, dominant eye, lens fit, monovision, presbyopia

*Walsh K.***Hand hygiene is linked to microbial keratitis and corneal inflammatory events**

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The article reviews the scientific literature on the importance of washing hands by contact lens users in order to prevent microbial keratitis and corneal inflammatory events.

Keywords: contact lenses, cornea, hand hygiene, infection, microbial keratitis

*Walsh K.***COVID-19 and contact lens wear: what do eye care practitioners and patients need to know?**

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Many patients are concerned about the issue of whether it is safe to continue wearing contact lenses in an outbreak of coronavirus infection. The article provides the opinions of world experts on contact vision correction.

Keywords: contact lenses, COVID-19, safety

NEW O.D.

*Patel T.***Subjective binocular refraction, examination of patients with high ametropia and low visual acuity**

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In the article looking at refraction, Tina Patel describes some variations on distance refraction including binocular assessment and assessment of those with high ametropia and reduced vision.

Keywords: binocular assessment, high refractive error, pin hole, refraction

RESEARCH

*Fogt N., Yaquinto B.***Peer reviewed: the correct modality for sports vision**

30

The article tells about a study conducted to find out how contact lenses are preferable when playing sports in comparison with glasses.

Keywords: contact lenses, field of view, sport

NEW PRODUCTS

*Chi J.***Fitting hybrid contact lenses**

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This article provides an overview of the indications and fitting of hybrid contact lenses for the regular and irregular cornea.

Keywords: astigmatism, ectasia, hybrid contact lenses