

Title:

Contact Lenses in Silicone Hydrogel ~ the Vision of the Future?

Word Count:

850

Summary:

Contact lenses manufactured from silicone hydrogel represent the most important advance in soft

Keywords:

contact lenses, eye health, eye care, eyes, vision

Article Body:

The concept of lenses made from silicone hydrogel was first proposed over 20 years ago. The po

At the time of writing, silicone hydrogel lenses are available in the USA from four manufactur

OXYGEN TRANSPORT

So what's so special about silicone hydrogel as a lens material? Essentially, the great benefi

The Dk of traditional, non-silicone based hydrogel lenses is directly related to the amount of

However, in silicone hydrogels, the relationship between Dk and water content is the opposite

SLEEPING IN CONTACT LENSES

According to market data from CIBA Vision, 84% of soft contact lens wearers occasionally sleep

Thus the demand for lenses with the capabilities of silicone hydrogels is evidently very high w

LENS HANDLING

Silicone hydrogel lenses are significantly more rigid than their conventional counterparts, du

REDUCED DEPOSITIONS

Historically, the deposition of proteins and lipids has been a problem with contact lenses. Th

Silicone hydrogel contact lenses have been proven to offer major benefits in the reduction of

DRY EYES

A problem frequently encountered by wearers of traditional soft contact lenses is one of a fee

LIFESTYLE BENEFITS

Silicone hydrogel contact lenses also provide some benefits that conventional lenses don't. Co

Furthermore, an increasing numbers of contact lens wearers can now enjoy active outdoor lifest

THE FUTURE FOR CONTACT LENSES

There is much evidence to suggest that, owing to their significant benefits over conventional

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