

Scleral Lens Supersession General Session #8

Saturolay, January 20adi 2000 - 019 301-5 10ago liSST

RESEARCH UPDATE

- ➤ Eef van der Worp BOptom, PhD
- » Damien Fisher BAppSc(Optom)Hons, PhD, Grad Cert Oc Ther

CLINICAL PRACTICE

- > Jason Jedlicka OD
- >> Gloria Chiu OD

1 2



- Alcon/CIBA vision, Allergan/Abbott, Bausch + Lomb, Bausch + Lomb Specialty Vision Products, Contamac, Coopervision, David Thomas, Ercon, Eaglet-Eye, Eyescan, Hecht, Johhson & Johnson Vision Care, Marc'Ennovy, Microlens, NKL, Paragon Vision Science, Procornea, Soflex, Spectrum International, Truform, Ultravision, VST, Valley, X-Cel
- Educational Grant: Johnson & Johnson (the Netherlands)

Disclosures

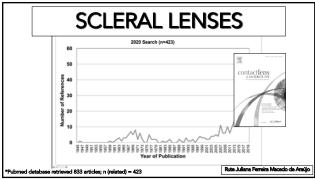
- Educational Grant: Contamac Generic Specialty Lens Ed.
- Educational Grant: B+L Boston Scleral Lens Guide

Centamac⁶

3

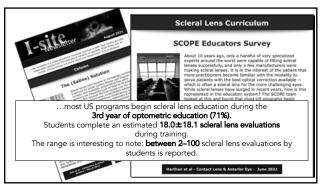
5

4



In a cohort of patients with keratoconus and other ectatic disorders, Alexander Levit conducted a randomized controlled clinical trial. The crossover trial compared outcomes in 34 patients with compared controlled clinical trial. The crossover trial compared outcomes in 34 patients proceed to the compare comfort and visual performance of two types of contact lenses: corneal (R)GPs and 4-week washout period, and then switched to the second type of lens. Subjective confort scores were significantly higher for participants using scleral lenses versus corneal (R)GPs. The take home messages, according to practiceupidate, com and to lost Sibert in a reaction to the Levit paper on the website, are that patients wearing scleral lenses had significantly higher subjective conforts cornes compared with (R)GP lens wear, but that patients who did achieve good comfort with corneal (R)GPs preferred to stay with them.

Levit, Bennell, Evans, Contact Lens & Ant Eye - Jan 2020

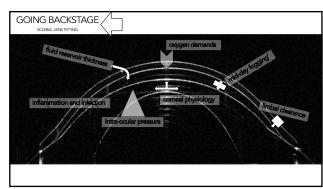




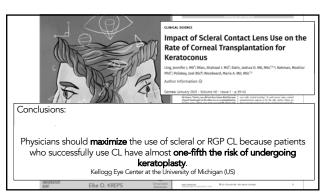








11 12



Results:

Eighty-nine eyes of 50 keratoconus patients were included in the study, baseline logMAR VA with habitual correction was 0.22 (range 0.02-1.04). Min lars fitting resulted in a statistically significant visual improvement (rnd pc-0.0001). At e-month follow-up. 11 patients (22%) had shadoned mini-scleral lens wear, primarily due to difficulties with lens handling (7 patients). Of the 39 patients with continued wear, 33 patients (84.6%) wore their lenses for a daily average of 12

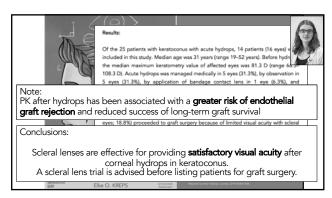
Purpose:

To evaluate the effects of mini-scleral lenses on visual acuity (VA) and visual functioning in patients with keratoconus.

Conclusions:

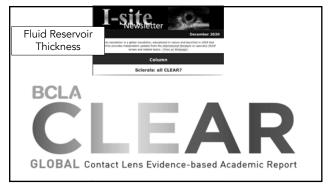
Mini-scleral lenses significantly improve VA and visual functioning on NEI-VFQ in keratoconus patients. Difficulties with lens insertion and removal are the principal reason for lens dropout.

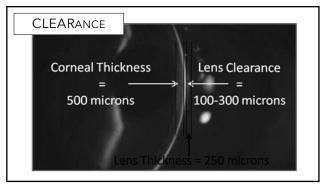
13 14



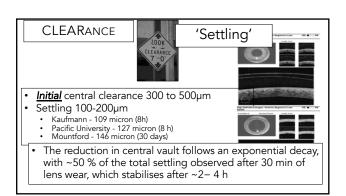


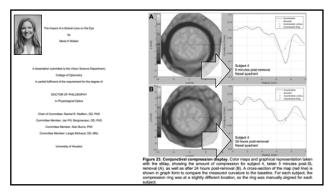
15 16

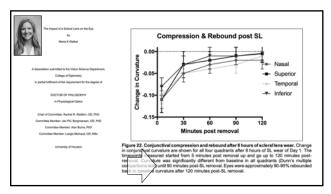


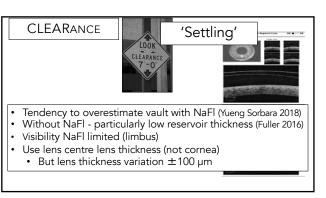


17 18

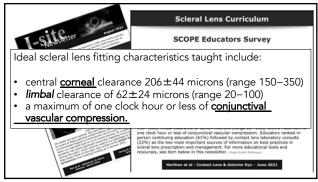


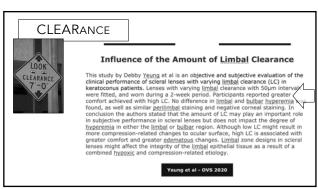




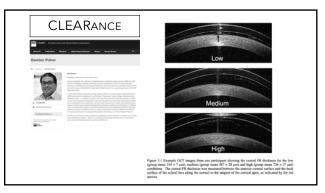


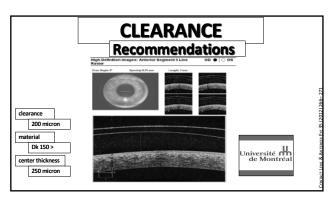
21 22

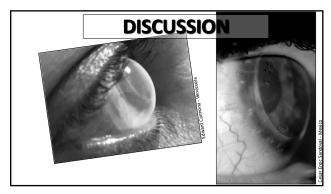


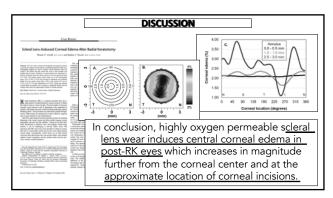


23 24



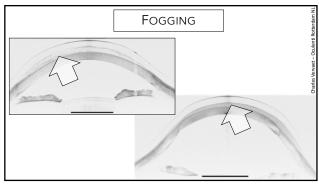




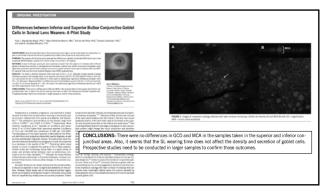


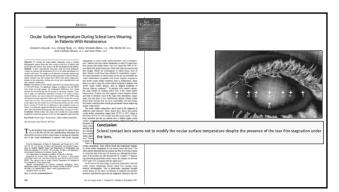
27 28



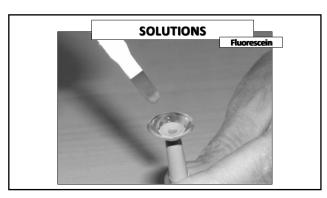


29 30

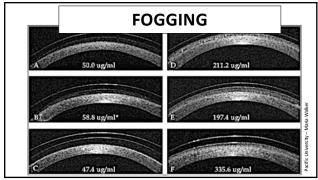


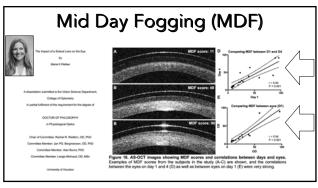




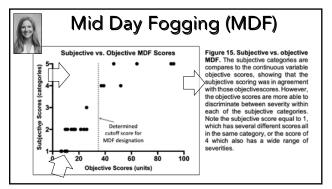


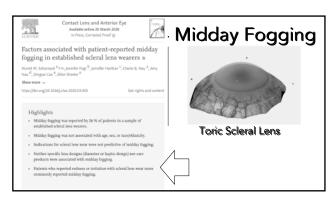
33 34





35 36









39 40