





Old Records: 2015 Wants Contact Lenses VA with spectacles from last year **20/30 20/30** · Fitted in AV Oasys for Astigmatism +1.25-2.75 x 90 20/30 +1.25-2.25 x 80 20/30























































































 Light ("Feather") Touch on Cone

 52

7.00 mm (48D) Kone







57



Hybrid Contact Lenses GP lens with UltraHealth[™] Vaulted Lens Design bonded soft "skirt" Provides GP optics with edge High Dk (84) SiHy Skirt awareness more like a soft Hyper Dk (130) GP Optimized lacrimal lens results in lower powers and reduced abbera centered over visual axi erse geometry, vaulted design clears the vast majority of ectasias Note APEX within vault zone





Been refitted many

OS

66

No Scarring

times over last 10 years - can never get better VA

Corneal Rings

When Lenses Don't Correct the Vision Adequately

















| Corneal Rings J Cataract Refract Surg. 2008. Ertan, et al. Retrospective study of Intacs implanted in 306 keratoconic eyes of 255 patients 10 month mean results: | | | | |
|---|---|---|---|---|
| UCVA | BSCVA | Spherical RE | Cylindrical RE | Keratometry |
| 75.7% of eyes improved | 71.6% of eyes improved | -6.04 D to -3.09 D (2.94 D) | -4.11 D to -3.82 D (0.29 D) | 50.07 D to 47.9 D (2.17 D) |
| Intacs tr manage Improve modera | reatment w ement of ke ement in U0 te keratoco | ith a femtoseco ratoconus of a CVA may be les onus | ond laser was effe Il stages ss in severe kerat | ective for toconus than in |























IEK (Intralase Enabled Keratoplasty) Good Suturing may not need to be as precise Sutures do not need to be as tight (less distortion to the cornea) Better front-to-back alignment means more Fewer issues with sunken or bulging grafts Broader surface area between graft and host means sutures can come out sooner and contact lenses can be fit earlier Bad Cost and availability of lasers

IEK (Intralase Enabled Keratoplasty)

DALK vs PK

occurs surgically

rejection

88

DALK has been shown to have similar bestcorrected visual acuity outcomes compared with

PKP when baring of Descemet's membrane

DALK spares transplantation of the endothelium,

· Epithelial, stromal, and mixed epithelial and stromal graft rejection, however, can occur at a rate of approximately 8 to 10%

Less than 5% of grafts fail secondary to rejection

The risk of graft loss following blunt trauma is also

markedly reduced as compared to PK

which eliminates the possibility of endothelial

. When graft is too shallow, VA can be reduced



86

85







- Do no harm to the cornea with contact lenses
- Consider Corneal Rings when BCVA is reduced
- . When all other options are exhausted and cornea is scarred,
- consider corneal transplant

