

GLOBAL-OK VISION

Getting Started With GOV® Orthokeratology

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The presentation and video contain the demonstration of real life cases of how a contact lens specialist fitting ortho-k & specialty soft lenses on patients. We have granted the optometrist and the patient's agreements to produce this video for educational purpose. The copy right of the video was belonging to Mr. Lawrence Kao. Any use, manipulation, reproducing of any part of, or whole, of the video & presentation would need to grant for Mr. Lawrence Kao's permission. All rights were reserved.

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The Road Map of GOV® Ortho-K Clinic

Pre-Clinic Information Collection:

- Agreement, Inform Consent, & Counseling

General Clinic

- Objective & Subjective Refraction
- External Ocular Examination

Ortho-K Clinic

- Measuring K, Rx, & Corneal Topo
- Trial fitting, calculation, & ordering

Lens delivery:

- Instruction & education of cleaning system

Review & Aftercare:

- Day 1, Day 8, 1/12, 2/12, 3/12, 6/12

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General Clinic

- FA, a 25 yo Asian female, expressed her interests in Ortho-K.
- She agreed to participate this video recording
- She has finished the pre-clinic data collection by my ophthalmic staff
- She has been using soft contact lenses before and currently using spectacle.

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General Clinic

- History Taking



General Clinic


- Refraction



General Clinic

- Slit Lamp Examination




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General Clinic

Pre-Fitting Data

- SLE: cornea clear OU, lenses clear OU, conj. clear OU, AC clear OU
- Subj. Rx
 - OD -6.00/-0.75x10 6/6
 - OS -6.50/-0.75x175 6/6

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Ortho-K Clinic

- Topography



Figure K-code by mean K

- $\text{MeanK} = (\text{Horizontal K} + \text{Vertical K}) / 2$
- TK and e value is unnecessary
- E value has been figured into lens
- 0.25 D stepwise
- Choose the closest mean K for K-code




Ortho-K Clinic

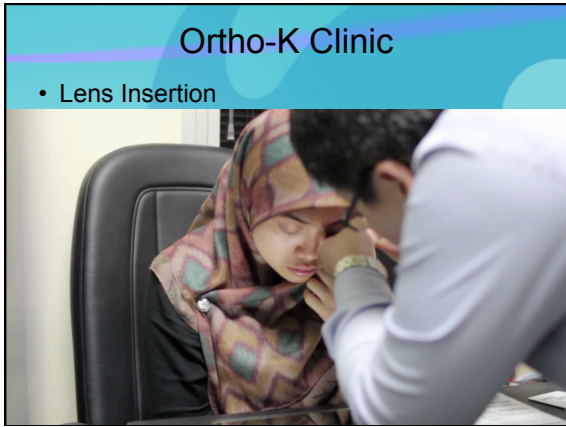
- Choosing the Right Lens

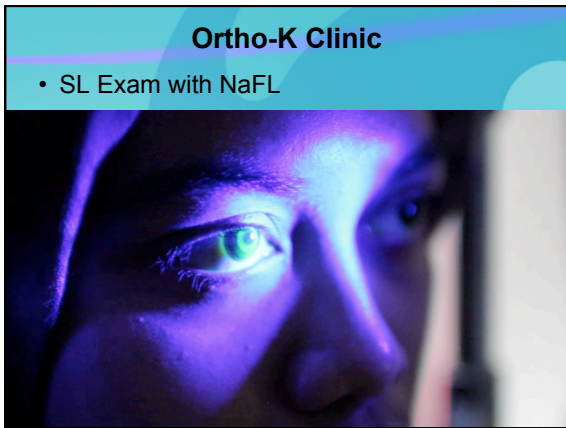


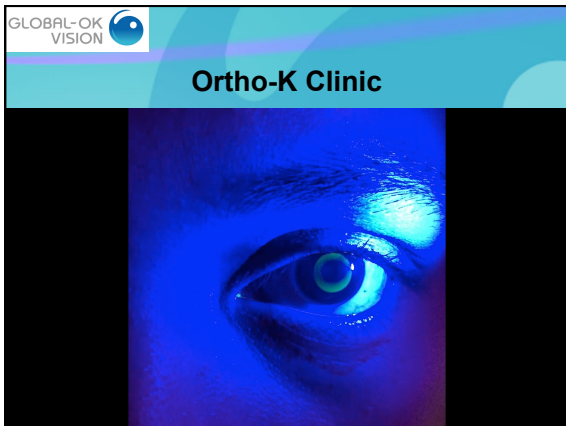
Ortho-K Clinic

- Initial Trial:
 - OD: XMJ/43.50/-3.00/11.2
 - OS: XMJ/43.25/-3.00/11.2
- NaFl examination
 - OD too steep
 - OS bit steep yet acceptable









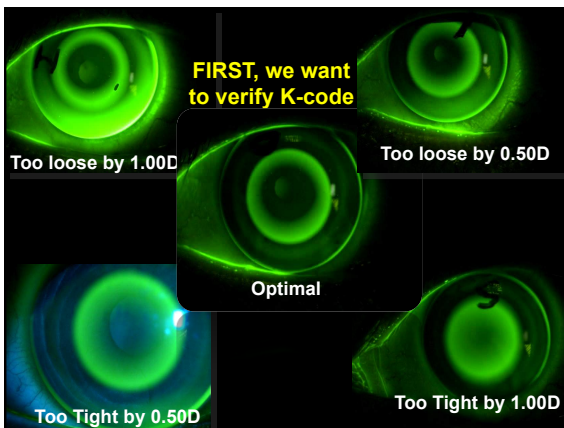
Ortho-K Clinic: Trial fit to confirm lens specs
Optional but preferred

- Select *initial* trial lens by the K-code suggested in GOV[®] calculator
- Stain and fine tune the K-code if required.
- Over refract or determine the power-code empirically.



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FIRST, we want to verify K-code

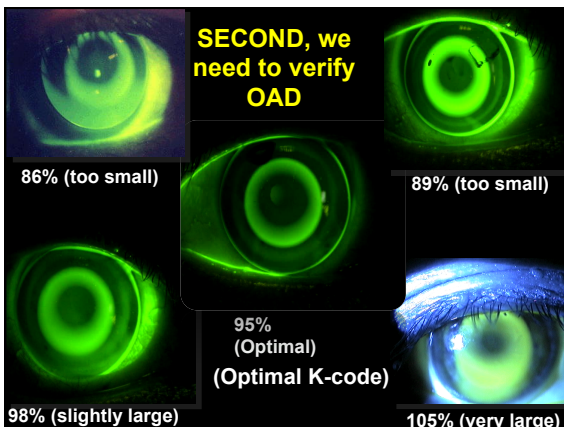


Too loose by 1.00D Too loose by 0.50D

Optimal

Too Tight by 0.50D Too Tight by 1.00D

SECOND, we need to verify OAD

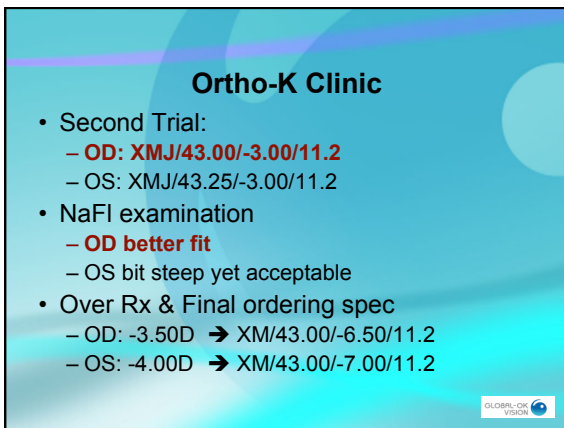


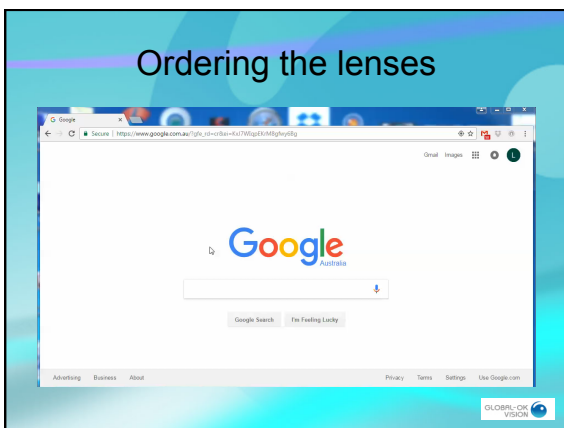
86% (too small) 89% (too small)

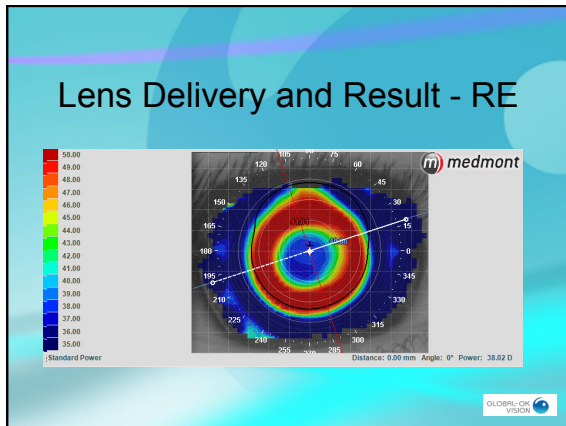
95% (Optimal) (Optimal K-code)

98% (slightly large) 105% (very large)










- ### RE refraction change
- Day 0 = -6.00/-0.75x10 6/6
 - Day 1 = -3.50/-0.50x10 6/6-2
 - Day 7 = -0.25/-0.50x20 6/6-2
 - Day 30 = +0.25/-0.25x20 6/6+1
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- ### LE refraction change
- Day 0 = -6.50/-0.75x175 6/6
 - Day 1 = -4.75/-0.25x180 6/6-2
 - Day 7 = -0.25DS 6/6-2
 - Day 30 = +0.25/-0.25x160 6/6-1
- GLOBAL EYE VISION

Slit Lamp Lens Inspection

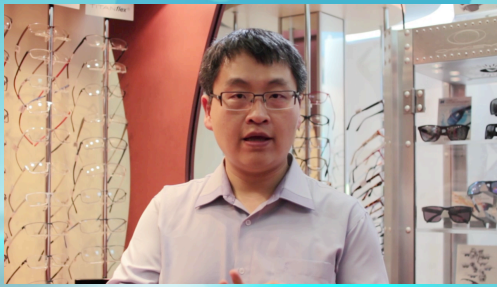
— Every visit with lens wiped dry



- Check lens integrity & the coating site (Back or front)
- Double check after C-P to ensure lens has been cleaned

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Conclusion



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Thank you for your attention, if you have any question or need any further information, please do not hesitate to email us:

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