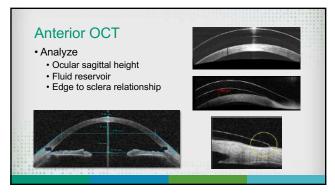




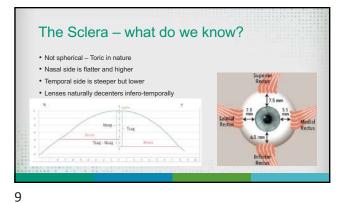
The Details of the Design • Know the zones names, sizes and capabilities • Know your lens fitting expectations Initial Applicatio 30-45 Minutes 4+ Hours 150-175 125-150 100-125 Transition Zone 100-125 75-100 50-75 Landing Zone (Edge) Aligned to Sciera Aligned to Sciera Aligned to Sciera

Assessing the Fit • Fluid Reservoir • Cobalt Blue vs White Light NaFl in the bowl Landing Zone White Light NaFl on top of the lens

5 6



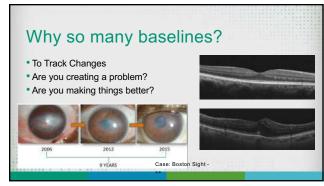




Before you start • Understand the lens design • Communication – set the right expectations - Vision, Time, Costs • If hesitation exists – Wait, trial a lens • Clean up the lids, lashes, allergies

10



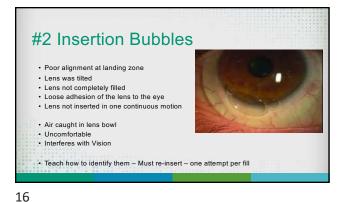


11 12









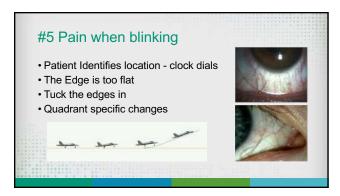


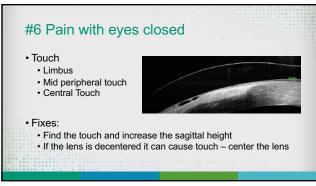




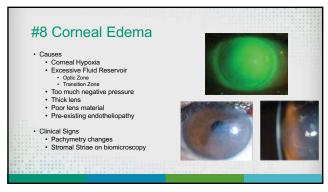


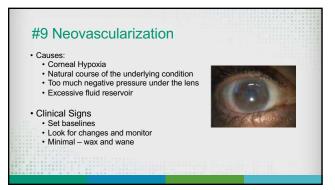


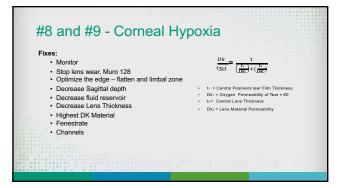






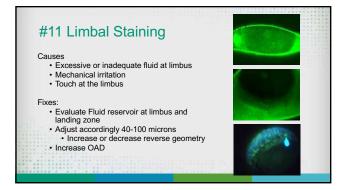


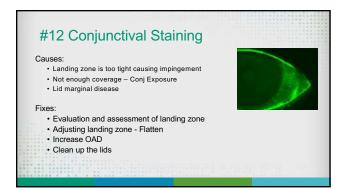




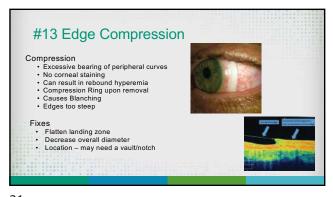


27 28

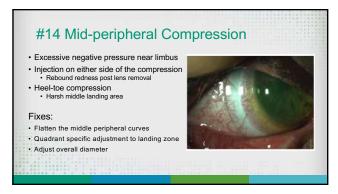


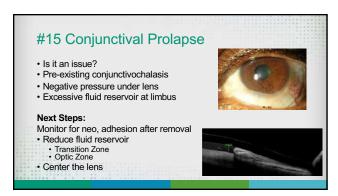


29 30



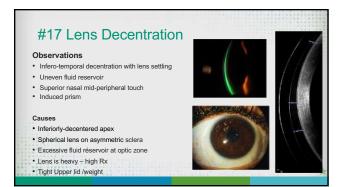




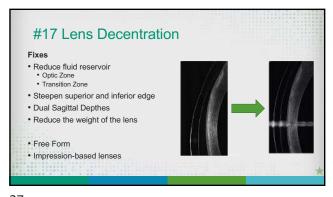


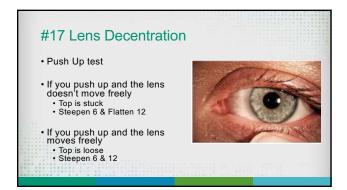
33 34

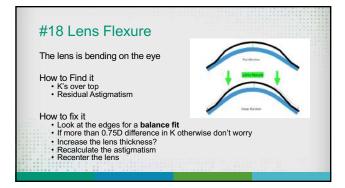




35 36



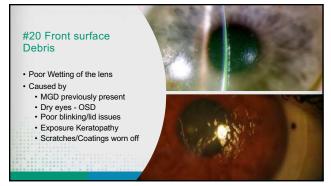




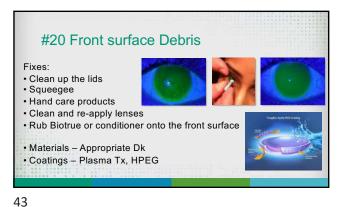


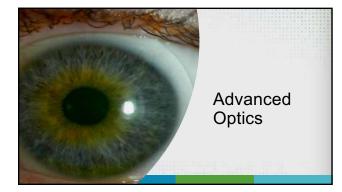
39 40





41 42







Profilometry Devices Ocular Surface Imaging Anterior Elevation Data · Measure the scleral upon which the lens lands • Use individual company algorithms • 3 Uses Choose initial lens to fit diagnostically
 Choose initial lens & edge design to order 1st lens then diagnostically fit · Order a free form lens

45 46

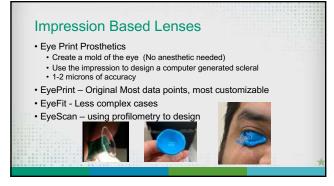




47 48







#22 Poor Vision with a Perfect Fit

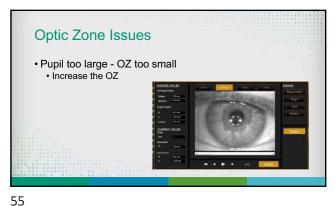
• 20/20 but NOT happy
• Ghosting, Shadows, Glare
• Decrease contrast sensitivity
• Scarring
• Post surgical (RK)

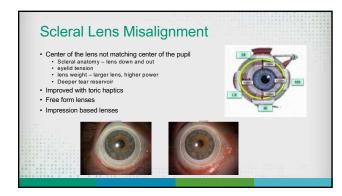
51 52

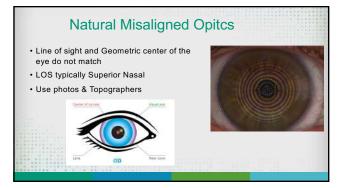


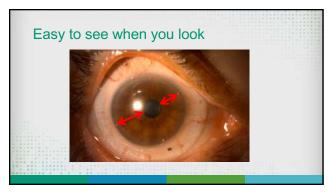


53 54









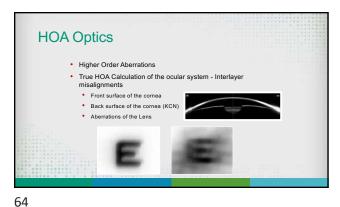




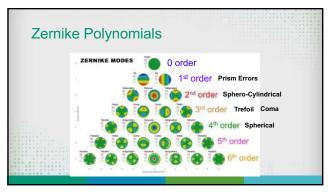


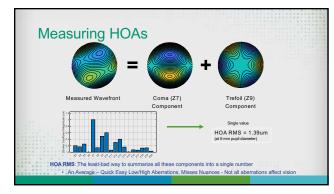




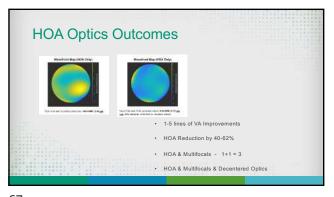


63





65 66





#23 Presbyopia

• Scleral lens wearers become presbyopic too
• Keratoconics
• Dry Eye Sufferers

• Fitting process for multifocals is similar to soft lenses

Scleral Multifocal Lens

Simultaneous Designs

Center Near (2/3)
Center Distance (1/3)
Aspheric (Progressive designs)
Concentric Rings
Prings and be aspheric or spherical
Which Surface
Front surface
Back Surface
Dual Surface
Dual Surface
No Translating – because they don't move

69 70

Step #1
Complete a Spherical Fit

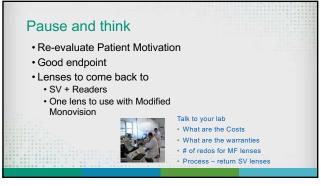
Design your scleral Lenes

• Diagnostic Fitting
• Profilometry guided
• Free Form or Impression

Fitting Tips
• Don't over minus
• Binocular Balance
• Centered lenses – Edge Designs – Toric PCs and Quad PCs
• Stable – no spinning - Edge Designs



71 72

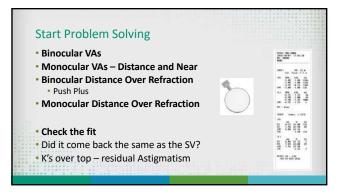








75 76





77 78





