

Specialty Contact Lens Grand Rounds
Robert Ensley, OD
Aaron McNulty, OD

- I. Irregular corneas
 - A. Ectasia
 - B. Post-surgical
 - C. Dystrophies and degenerations
 - D. Corneal scarring
- II. Keratoconus
 - A. Diagnosis
 - 1. Unstable refraction
 - 2. Scissor reflex
 - 3. Corneal topography
 - 4. Corneal tomography
 - 5. Pachymetry
 - 6. Slit-lamp findings
 - 7. Genetic testing
 - B. Contact lens options
 - 1. Soft lenses, standard versus custom
 - 2. Corneal GPs
 - a) CLEK
 - (1) First definite apical clearance lens
 - (2) Start with base curve equal or steeper to average K
 - (3) Difficult with advanced cones
 - b) Three point touch
 - (1) Apical touch with mid-peripheral pooling
 - (2) Distributes weight across cornea
 - (3) Monitor for epithelial disruption → Scarring
 - 3. Hybrid lenses
 - a) GP clearance
 - 4. Scleral lenses
- III. Case examples
 - A. Multifocal scleral lens
 - B. GP after penetrating keratoplasty
 - C. Decision making with ectatic cornea
 - D. Scleral lens with wavefront aberration control
 - E. EDOF hybrid lens for presbyopia
- IV. Discussion of Myopia Control
 - 1. Corneal Reshaping
 - 2. Multifocal contact lenses