CSI: Astigmatism post TORIC

Handout
Dr. Braga-Mele
DDx: Residual cyl

• **Inaccurate measurements/data**
  - Dry eyes (as always)
  - Basement membrane dystrophy, ...
  - Irregular astigmatism (Konus and other ectasia, pterygium, Salzmann, ...)
  - Contact lens warpage
  - Not taking into account the posterior cornea
  - Axis not taken from the topo
  - Inaccurate ELP
  - Wrong SIA or abnormal wound (too central, distorted++, burned, sutured...)

• **Wrong orientation**
  - Errors from the surgeons (marked when patient supine, head tilt, wrong orientation of the marker, confused the IOL axis w the main wound axis on the printout...)
  - Rotated IOL
    - Big bag in a big myopic eye, w/o tension ring
    - OVD left
    - While hydrating the wounds
    - Patient’s fault (trauma, or went to his yoga class...)

• **Tilted IOL**
  - Sector of weak zonules
  - Not fully in the bag
  - Material/fragments left in the bag
  - Haptic not fully deployed, stuck behind lens
  - Sector of contraction of the capsule
  - Iris cyst?

• **Inaccurate IOL**
  - Mislabelling
  - Wrongly picked
  - Wrong patient (same last name, etc)
Causes of Residual Astigmatism

Wrong Location
- Poor Measurements
- Poor Calculations
- Surprising SIA
- Posterior Ks
- IOL Rotated
- Poor IOL Placement

Wrong Lens
- Poor Measurements
- Poor Calculations
- Surprising SIA
- Posterior Ks

Will Rotating IOL Help?

Remember: astigmatismfix.com

Rotate IOL

IOL Xchange or LVC