Subluxated cataracts and capsular bag stabilising devices

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Indications for Surgery

- Defective vision
  - Cataract
  - Aphakia
- Diplopia
- Nucleus dislocated into anterior chamber or vitreous cavity
Slit Lamp Examination

- Corneal status
- Status of iris & pupil
- AC depth
- Presence of vitreous in AC
- Lens
  - Phacodonesis
  - Localised or Diffuse
Capsulorhexis

- Highly retentive viscoelastic
- Trypan blue can be used to stain capsule
- Initiate rhexis away from area of subluxation
- Larger at the area where zonules are intact
Choosing appropriate CTR Size

Open, compressible, PMMA ring with a rounded eyelet at each end

- Ends of the CTR must overlap
- Diameter of CTR is slightly greater than that of the bag

Useful in the management of mild- moderate zonular instability
Aids in
- Rhexis completion
- CTR insertion

Need to be inserted in the area of zonular weakness

During phaco provide stability to the capsular bag

Prevent wobbling of the lens during IOL implantation
Modified CTR (Cionni Ring)
Single loop Cionni

Double loop Cionni
Uveitis/ CME
• Glaucoma/ Raised IOP
• Capsular phimosis/ PCO
• IOL/ capsular bag complex decentration

Meticulous attention to Preoperative work up, Surgery & Postoperative care can enable good outcomes in eye with lens subluxation

Thank You