Financial Disclosures

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Choosing a Suture IOL Technique...

- **Small incision:**
  - no capsular support and vitrectomized
    - AO60, glued IOL
    - partial capsular support
    - iris suture fixation with anterior vitrectomy
  
- **Large incision**
  - no capsular support and vitrectomized
    - CZ70BD (gortex)
Case Presentation #1

- 56 y/o male with multiple surgeries
  - CE/PCIOL OD
  - Malpositioned plate haptic PCIOLs OU
  - Removal and replacement with ACIOL OD
  - Pigment dispersion and point tenderness
  - Plan: Large incision IOL exchange with SSF OD
Hoffman Pocket Pearls

- Toric marker: Hoffman pockets
- Avoid 3 and 9 o’clock if possible
- Make Hoffman pockets prior to main incision
- 300 micron grooved incision; stay 1mm in clear cornea to avoid dellen post-op
- Dissect corneal scleral pocket with crescent blade approximately 2.5x 2.5mm
- Mark boarders of pocket; check with spatula
- Phenylephrine in the pocket to achieve hemostasis
Large incision SSF: Checklist

- Cresecent blade (Mani)
- 7-0 gortex CV8 needle (off-label use; W. L. Gore & Associates, Inc.)
- Anterior chamber maintainer 23 gauge
- 23 gauge MVR blade
- 25 gauge grieshaber max grip forceps
- 23 gauge MST forceps
- CZ70BD (Alcon)
Case Presentation #2

- 72 y/o male s/p multiple surgeries
  - Complicated CE/PCIOL OD
  - Dropped lens
  - PPV/ACIOL
  - PBK
  - IOL exchange and DSEK
  - Malposition PCIOL/DSEK attached POD#1
  - Plan: small incision IOL exchange ISF
video mickey
Clear corneal incision 3-4mm

Secondary IOL: Fold 3 piece IOL at 3 and 9 o’clock for bucket handle delivery

Intracameral pharmacological control of pupil (Miochol; epi-Shugarcaine; phenelephrine)

Start with McCannel; stay mid-peripheral and use a second instrument to guide the pass while exiting the iris

Suture retrieval: present suture to yourself with additional hook if there is peripheral corneal edema

Push down on the optic rather than rotating while placing optic behind the iris
Iris Suture Fixation: Check list

- 10-0 polyester PC7 needle (Alcon)
- 9-0 prolene CIF-4 needle (Ethicon)
- Bonn microhooks (FST; No.10031-13) or Sinskey hook
- Dispersive viscoelastic
- McCannel suture technique
- Siepser suture technique
Case Presentation #3

- 55 y/o male with h/o multiple surgeries
  - CE/PCIOL
  - Malposition IOL
  - ISF x 3
  - dislocated PCIOL
  - PBK

preop pic victor
video
Small Incision Scleral Suture Fixation: Checklist

- 7-0 gortex CV8 needle (off-label use; W. L. Gore & Associates, Inc.)
- Anterior chamber maintainer 23 gauge
- 1mm sideport blade (23 gauge equivalent)
- 25 gauge grieshaber max grip forceps
- 23 gauge MST forceps
- Akreos AO60 (B&L)
Summary of Algorithm

Small Incision <4mm
- Pars
- Anterior
- No

Large Incision >6mm
- Anterior or Pars Plana Vitrectomy

Partial Iris

Scleral Suture Fixation
- **Akreos AO60 (B&L) glued IOL**
- CZ70BD (Alcon)