IOL EXCHANGE

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DISCLOSURES

• Accutome – Grant Support
• Alcon – Consultant, Lecture Fees
• Haag-Streit – Consultant, Royalties
• MST – Lecture Fees
• Ocular Therapeutix – Consultant, Shareholder
• PowerVision – Consultant
• WaveTec Vision Systems – Consultant, Lecture Fees, Research grant
• US Patent for Anti-Dysphotopic IOL – Royalties
  Morcher

INDICATIONS FOR IOL EXCHANGE

• Malpositioned IOL
  • Early – typically pilot error; ruptured capsule/zonules, SPA in sulcus
  • Late – typically decentered with late zonulysis
• IOL Opacification
• Wrong Power IOL
• Failure of Neuroadaptation – Multifocal IOLs
• Dysphotopsias
• UGH Syndrome
• “Tender to Touch”

“TOOLS OF THE TRADE”

• Micro-instrumentation – MST
• Choice of OVDs
• Work under low illumination
• Re-open capsule bag
• Remove/Cut/Fold IOLs
• Femtosecond Laser
• Vitrectomy/Pars plana approach
• Iris vs Scleral suture fixation
• Stabilizing the IOL
• Optic capture
• Pupilloplasty
MICROSURGICAL INSTRUMENTS

REOPENING THE CAPSULE BAG
Multifocal IOLs - Selection Challenges:

- Keratopathy
- Optic neuropathy
- Zonulopathy
- Pupillopathy
- Maculopathy
- Psychopathy

Avoid the “Opathies”

EBM Dystrophy
Treatment: Malfunctioning PCIOLs

- **Multifocal PCIOLs**
  - Removal and replacement with monofocal

- **Positive Dysphotopsia**
  - Pharmacological treatment
  - Removal and replacement for different IOL material

- **Negative Dysphotopsia**
  - Reverse (anterior) optic capture
  - Bulbus placed IOL

IOL EXCHANGE FOR ND/PD
CRYSTALENS “Z SYNDROME”

OPAQUE IOL

• Opaque IOL
  • 60 y/o woman 7 years post phaco/IOL
  • 3 piece AcrySof IOLs
    • Open capsules
    • Bilateral condition
  • SSNG – subsurface nano-glistenings

VARIABLE OPACITY
“PILOT ERROR”

77 Y/O S/P PPV/BUCKLE
HOFFMAN POCKET WITH GORTEX SUTURE