Cataract with Symptomatic Iris Defect

Mauricio A. Perez, MD
University of Toronto

Preoperative Evaluation

• History of photic symptoms before cataract formation
• Concomitant Ocular Comorbidities:
  – Zonular Weakness
  – Focal Vitreous Prolapse
  – Damage to trabecular meshwork or endothelium
• Iris Defect:
  – Anatomic: Iris Pigment Epithelium vs Full thickness
  – Functional: Iris Sphincter

Iris Repair

• Video
  – Long, curved needle (e.g. CTC-6L, CIF-4)
  – Siepser knot
  – Iridodialysis repair
  – Iris cerclage

Preoperative Evaluation

• Biomicroscopy:
  – Before and after pharmacologic mydriasis
  – Retroillumination
  – Number of clock hours:
    • < 3: primary repair
    • > 3: consider prosthesis
• Gonioscopy:
  – Peripheral iris Defects
  – Iridodialysis: adjacent tissue damage
Iris Prostesis

• Device Selection:
  – Defect Configuration
  – Importance of Cosmesis
  – Availability
  – Cost

• Devices (small incision):
  – Morcher 50-, 96- Series
  – Humanoptics:
    • Sulcus: passive vs scleral sutured
    • In the Bag

References