Round Table Discussion: Cataract Case Presentations

Moderator: Michael Rauser, MD
Discussants: Howard Gimbel, MD, Wayne Isaef, MD, William Kiernan, OD Julio Narvaez, MD, Donald Tohm, MD
Case #1 Arum Matta

- 61 y/o male with blurred vision L > R eye and severe glare
- -4.25 –1.00 x 161 20/30-
- -3.25 - 1.25 x 10 20/30
- + 2.50 add OU
- + 2 psc OD ; +3 psc OS ; normal fundus
- K’s :
  - OD 45.73@ 8 / 43.95 @ 98
  - OS 45.96@ 161 / 44.53 @ 71
Case 1 IOL discussion

• Additional Hx:
  – Occupation – housekeeping technician
  – Reads with glasses

  – What are his IOL options?
Case 1 IOL Discussion

- Distance target with Rx
- Distance w Toric IOL OU
- Near target with Rx
- Near target w Toric OU
- Restor OU with LRI’s
- Crystalens w mini-monovision
- Monovision (with or without Toric or LRI)
Case 1 IOL discussion

- Distance target with Rx
- Distance w Toric IOL OU – patient choice
- Near target with Rx
- Near target w Toric OU
- Restor OU with LRI’s
- Crystalens w mini-monovision
- Monovision (with or without Toric or LRI)
Toric IOL video
Toric IOL results slide
Case #1 results

- Va sc 20/20 OD / 20/20 OS
Case #2 Newell Stone

- 79y/o male c/o blurred Va OU
- Va cc 20/50 OD / 20/80 OS
- Current Rx:
  +2.25-0.75x106
  + 2.50 –0.75 x101
- Exam +2 NS OU ; Normal fundus
- Dilates to 5.5 mm OU
- H/O Flomax use for 1 year ; stopped 3 months ago after Prostatectomy
- Interested in Restor lens!
Case #2 - IOL Discussion

- Increased risk of surgery with Flomax
- If pupil stretch or iris hooks needed; could cause tonic pupil and reduce reading with Restor lens
Video of case
Visual outcome after Restor OU

- OD – 20/30 distance 20/30 near
- OS- 20/25+2 distance ; 20/20-2 near
- Very happy with distance and near vision without glasses
- Autorefraction:
  - +1.00-0.50 @122 OD
  - +0.50-0.50@116 OS
Case # 3 Arnold Glugosh

• 65 y/o male c/o blurred vision OU ; c/o glare at night
• POH- RD repair OD ( local SB ) 1998
• Wears CL ( gas perm) for myopia
• VaCL  20/50 OD; 20/40 OS
• SLE 2+ NS OU; +1 PSC OD +PXE OS ; dilates well
• Fundus: Trace ERM OD ; local SB superotemporally OD; normal OS
• Patient desires eyeglass independence distance and near
Additional info

- **Autorefraction**
  - OD: -8.00 –2.25 x 19
  - OS: -11.25 – 1.00 x 53
- **Keratometry**
  - OD 40.50 @12 / 43.12@ 102 (2.62)
  - OS 41.25 @ 177 / 41.62 @ 87 (0.37)
Orbscans
IOL Options / Concerns
IOL Options / Concerns

- H/O RD repair right eye - ? BCVA
  - Likely unsuitable for Restor / Crystalens
- Exfoliation syndrome OS- ?
Contraindication for Premium IOL
- High myopia- IOL target less predictive (use SRK-T formula)
Surgical Plan

- Aspheric Restor IOL left eye (with CTR placement)
- Toric IOL right eye with LRI
Outcome

- 1 month postop Aspheric Restor OS
  Va 20/25 distance; 20/20 near

Toric IOL with LRI’s done Oct 1 2008
10/9/08:

20/30+2 OD
20/25 OS dist / 20/20 near
Case #4 John West

79 y/o male c/o gradual loss of vision both eyes at distance “hard to see golf ball after driving it”

POH – neg

Rx: OD +2.75 – 1.75 x 99  + 2.50 add OU
    OS +2.75 - 0.25 x 89

Va cc 20/25 OU

SLE : 2 + NS + 1 Cortical OU

Desires eyeglass independence!
Lens options?
IOL treatment plan

- Toric IOL Right eye – 1st
- Crystalens HD Left eye – 2nd
- Postop: 20/25 OU sc

Able to read computer without glasses

Autorefraction: OD: +0.75-0.50 x 87
OS: -0.25-0.75 x 100
Case #5 Reinaldo Cabrera

• 70 y/o male c/o blurred Vision OU L> R and difficulty with night driving
• POH- high myopia – wears RGP CL’s
• Rx:  -10.00 – 0.50 x 93  
     -12.50 – 3.00 x 121
• Va CC 20/30 OD ; 20/60 OS
• SLE : OD 1-2 + NS; +2 PSC  
    –    OS 2 + NS +2 PSC
• DFE Trace ERM OU both maculas
OPD scans
? Ok for toric IOL
Surgical Plan

• Monofocal IOL OD; Toric IOL OS

• Postop: Vasc 20/25 OD; 20/40ph 20/25 OS

• Refraction data:
Case # 6 Cathleen Collins – Prekaraotoconus OD