



CASE # 1

- 84 years
- One Eyed
- Rt lost from Glaucoma years ago
- Very fragile
- Jaw claudications

Alaa El Zawawi

C/O: Lt acute diminution of vision 3 weeks with high IOP (Libya)

Ex : * Sunken globe

* HM good projection good color perception

* Small sized cornea, nebulous

* Almost no Ach

* Irregularly dilated pupil with post. Syn. & iris atrophy

* Total white intumescent cataract

* IOP = 16 mmHg under Diamox, Cosopt & Brimonidine

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PHACOMORPHIC GLAUCOMA



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Biometry

AL	21.67 mm
ACD	1.64 mm
Lens Thickness	5.76 mm
K1	40.80
K2	42.45
Tecnis 1 ZCB00 +31 Diopters	

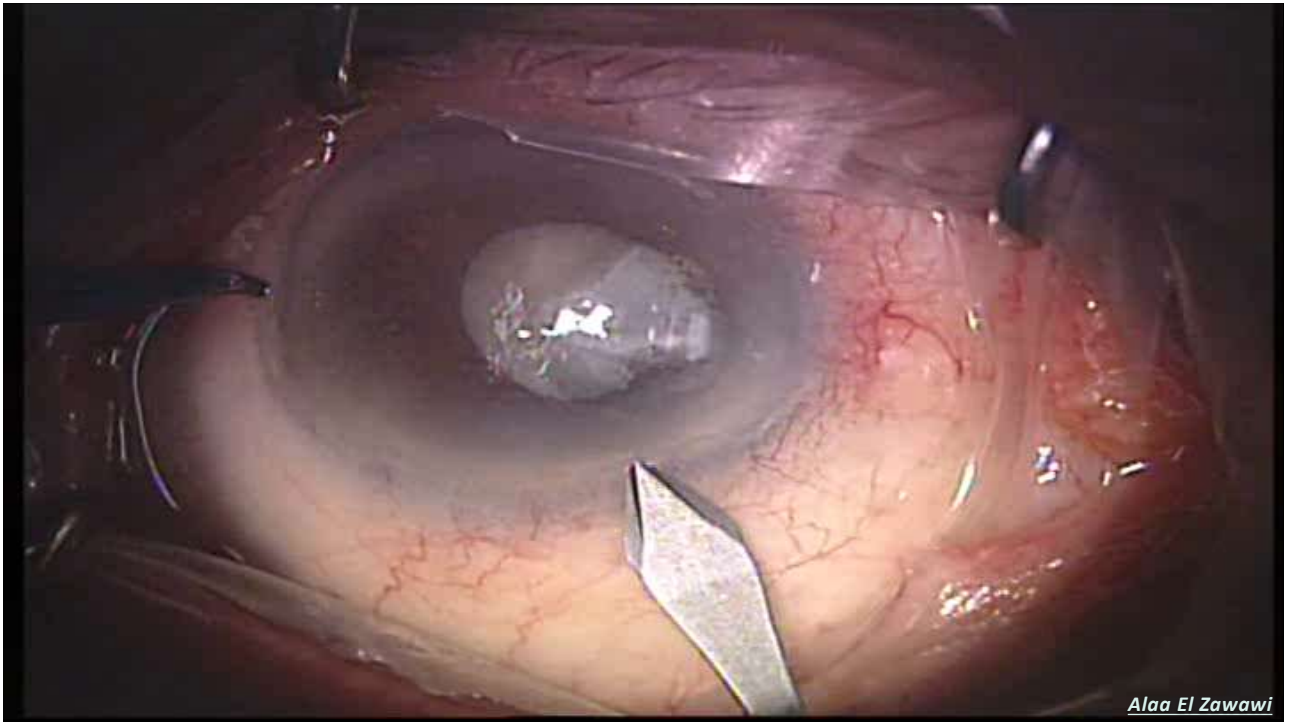
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Plan

Cataract surgery with possible scenarios

- ECCE + IOL
- Phaco with precautions, possible vitrectomy

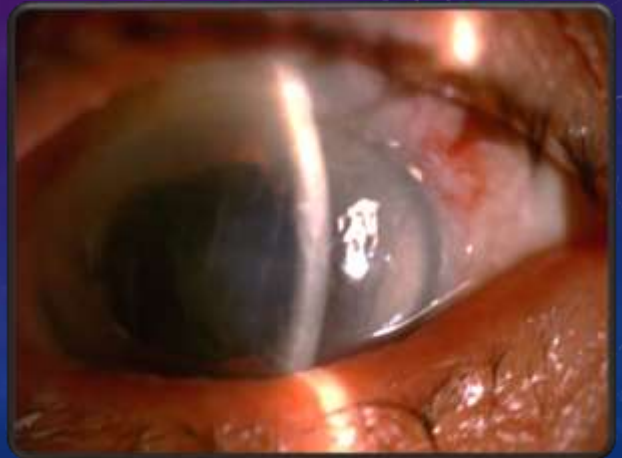
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Outcome

Day 1 :

- Corneal edema +++
- Ach well formed
- V.A 1/60
- Happy patient !



Day 6:

- VA : 0.05
- Auto -0.75/-1.5 x 75 → 0.1
- Tension 8 mmHg

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CASE # 2

- Male 65 y
- No Systemic disease
- Rt nuclear cataract ++
- Straight forward surgery

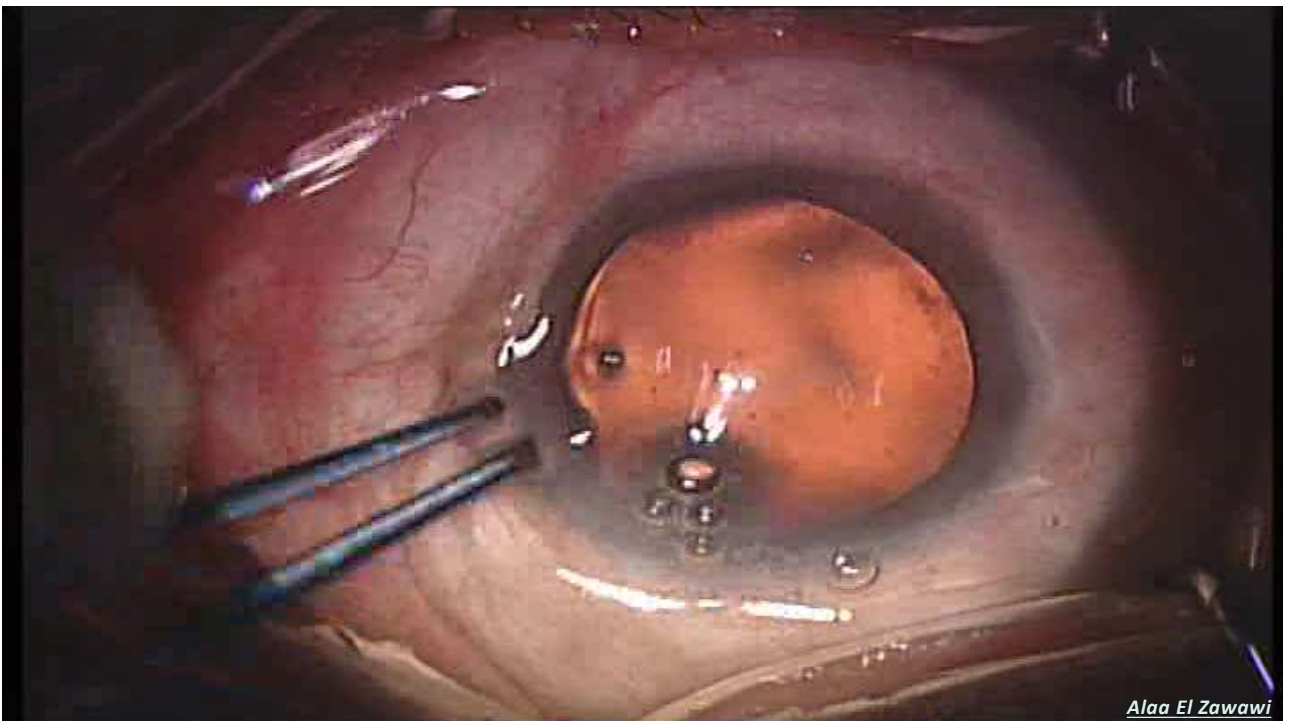
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Biometry

AL 22.91 mm
 ACD 3.69 mm
 K1 46.31 D
 K2 47.90 D
 IOL Power + 20 D

OD right		IOL calculation (Multifocal)		OS left	
AL: 22.31 mm (SD = 0 µm)		WTW: 11.3 mm		AL: --- WTW: ---	
ACD: 3.88 mm (SD = 0 µm)				ACD: ---	
LT: 3.88 mm (SD = 0 µm)				LT: ---	
SE: 47.90 D		A.D: -1.80 D @ 90°		SE: --- ΔD: ---	
K1: 46.31 D @ 98°		K2: 47.90 D @ 178°		K1: --- K2: ---	
Ref: ---		VA: ---		Ref: ---	
Target ref: plano		SIA: +0.90 D @ 10°		Target ref: ---	
LS: Phakic VS: Vitreous body		LVC: Untreated, LVC mode: -		LS: Phakic VS: Vitreous body	
				LVC: Untreated, LVC mode: ---	
SRGT		Haigis			
A const: 118.30		A0: A1: A2:			
		-1.302 +0.210 +0.291			
IOL (D) Ref (D)		IOL (D) Ref (D)			
+21.00 -0.77		+20.00 -0.83			
+20.50 -0.48		+19.50 -0.29			
+20.00 -0.15		+19.00 +0.05			
+18.50 +0.16		+18.50 +0.38			
+18.00 +0.67		+18.00 +0.71			
+18.75 Error		+19.07 Error			
Bartl		Holladay 2			
LP: +3.09		ACD: +5.788			
OP: +4.00					
IOL (D) Ref (D)		IOL (D) Ref (D)			
+20.50 -0.64		+21.00 -0.71			
+20.00 -0.30		+20.50 -0.40			
+19.50 +0.03		+20.00 -0.08			
+18.50 +0.30		+18.50 +0.21			
+18.00 +0.87		+18.00 +0.51			
+19.54 Error		+19.88 Error			
Comment		Signature			

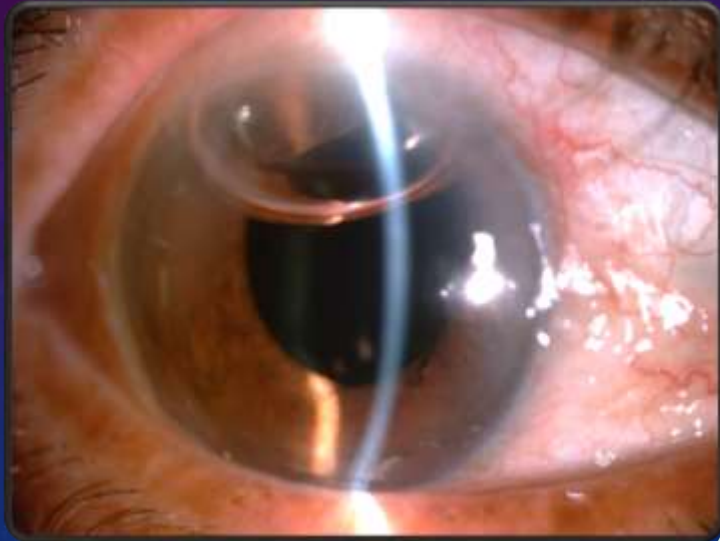
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Outcome

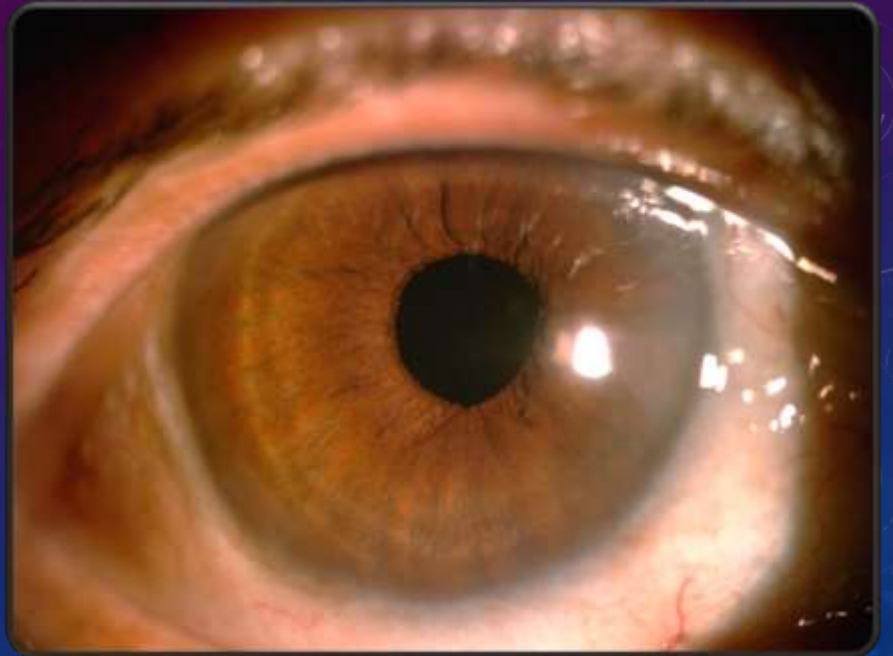
Day 1:



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Day 6:

+ 1 / - 1.25 x 105 → 0.8



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CASE # 3

- Male 26 y
- No Systemic disease
- Bil. Corneal opacities since birth
- Nystagmus
- Rt PKP 23/10/2017
- Rt removal of sutures 08/11/2017
- Rt endothelial rejection from 27/03/2018 treated with steroids
(topical + systemic)
- Rt Cataract HM good projection

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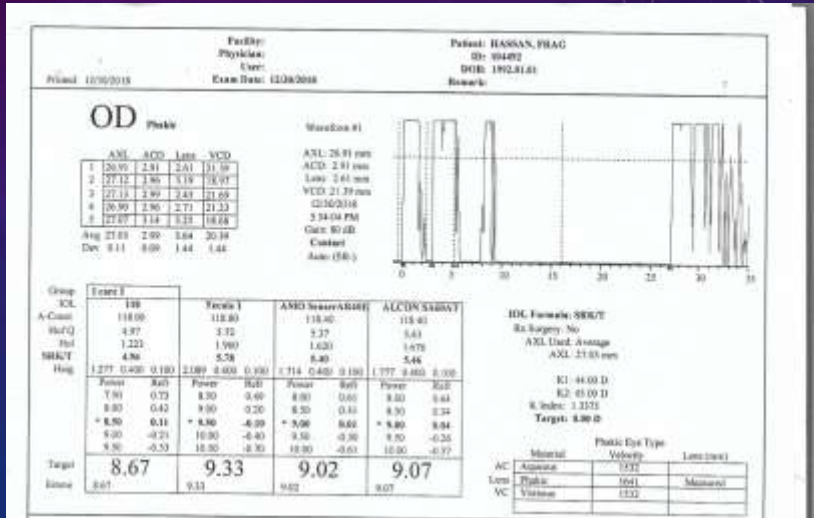
Plan

Another PKP + Cataract + IOL

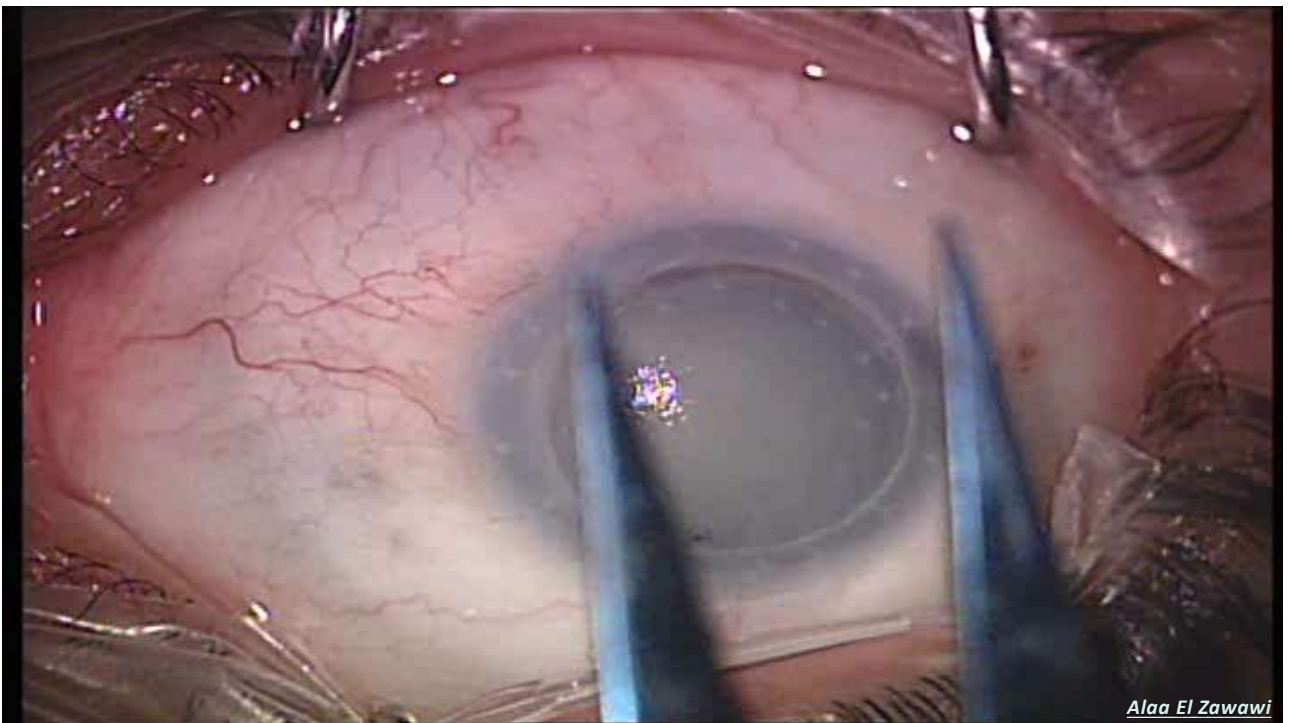
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Biometry

AL 26.91 mm
 ACD 2.91 mm
 Lens 2.61 mm
 K1 44.00 D
 K2 45.00 D
 IOL Power + 9.5 D



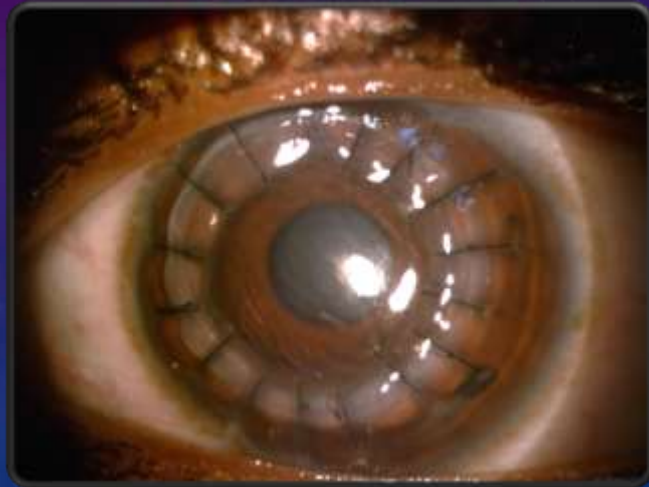
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Outcome

VA 0.05



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CASE # 4

- Female 65 y
- HTN 22 y
- Stroke 3 y
- IHD (stents) 2 y
- on Aspirin
- Bil. Dense nuclear cataract +++

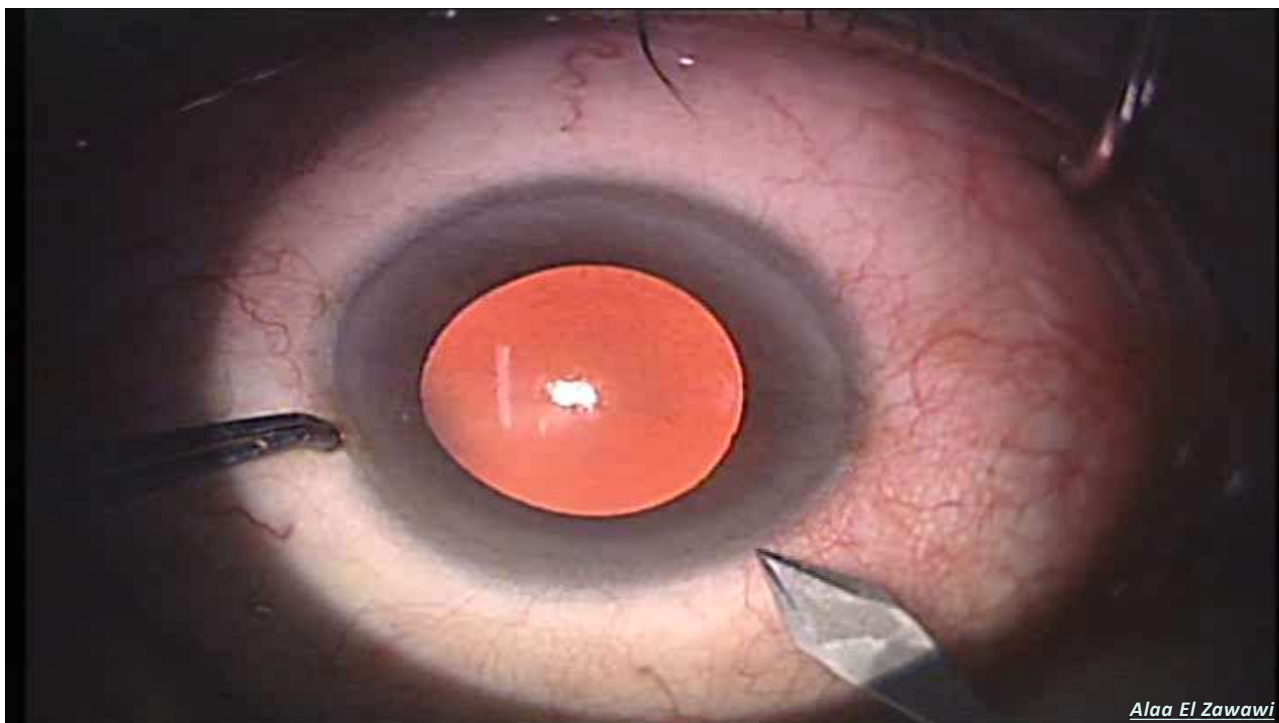
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Biometry

AL 25.05 mm
 ACD 3.22 mm
 K1 43.55 D
 K2 43.75 D
 AMO Tecnis 1
 +16.5 D

OD		ICL calculation (Multifocal)		OS	
right				left	
AL: 25.05 mm (SD = 17 µm) ACD: 3.22 mm (SD = 7 µm) LT: 4.46 mm (SD = 10 µm) SR: 43.00 D K1: 43.55 D @ 179° Ref: --- Target ref: plano LS: Phakic, VS: Vitreous body, LVC: Untreated, LVC mode: -		WTW: 12.1 mm AL: --- ACD: --- LT: --- SE: --- K1: --- Ref: --- Target ref: --- LS: Phakic, VS: Vitreous body, LVC: Untreated, LVC mode: ---			
SPMUT A corneal: 118.30 ICL (D) Ref (D) +17.50 -0.80 +17.00 -0.32 +16.50 +0.00 +16.00 +0.32 +15.50 +0.63 +15.00 Error Barrett LF: +2.09 DF: +4.80 ICL (D) Ref (D) +17.00 -0.74 +17.00 -0.40 +16.50 -0.06 +16.00 +0.27 +15.00 +0.89 +16.47 Error		Haigis A0: -1.302 A1: +0.210 A2: +0.261 ICL (D) Ref (D) +17.50 -0.67 +17.00 -0.30 +16.50 +0.01 +15.50 +0.67 +16.31 Error			
Holladay 2 ACD: +5.798 ICL (D) Ref (D) +17.50 -0.77 +17.00 -0.44 +16.50 -0.12 +15.00 +0.20 +15.00 +0.51 +16.31 Error					
Comment		Signature			

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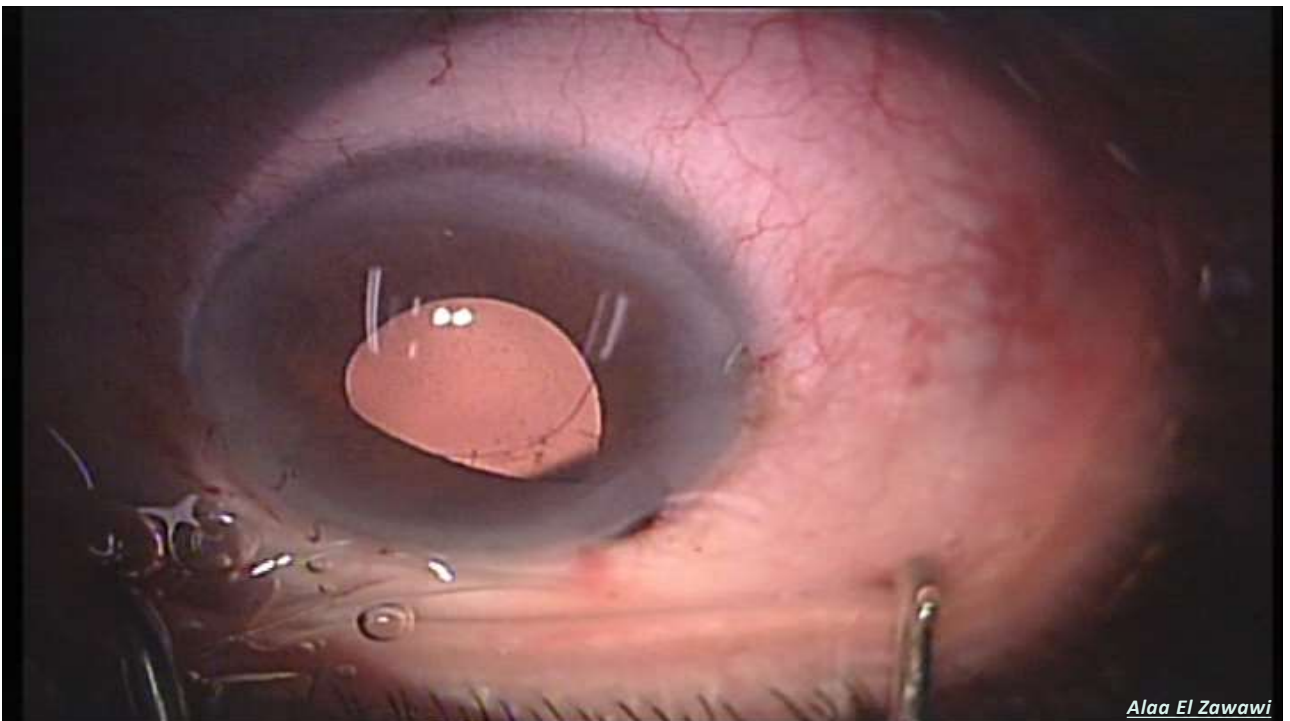


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What else to do ?

- Mannitol 20 % rapid IVI
- GA with hyperventilation
- Removal of speculum
- Pars plana vitrectomy

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Outcome

VA 0.8 uncorrected

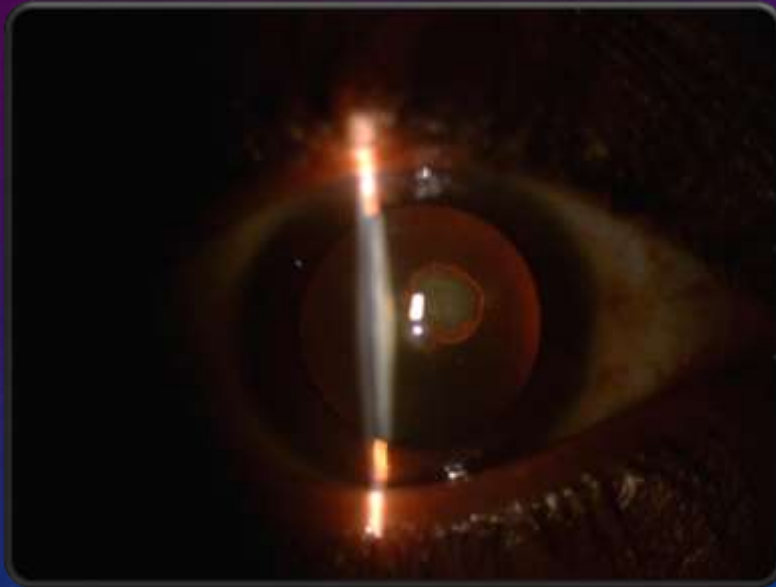
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CASE # 5

- Male 45 y
- No Systemic disease
- C/O diminution of vision 2 y
- 0.2
- 0.2

Bilateral Posterior Polar Cataract

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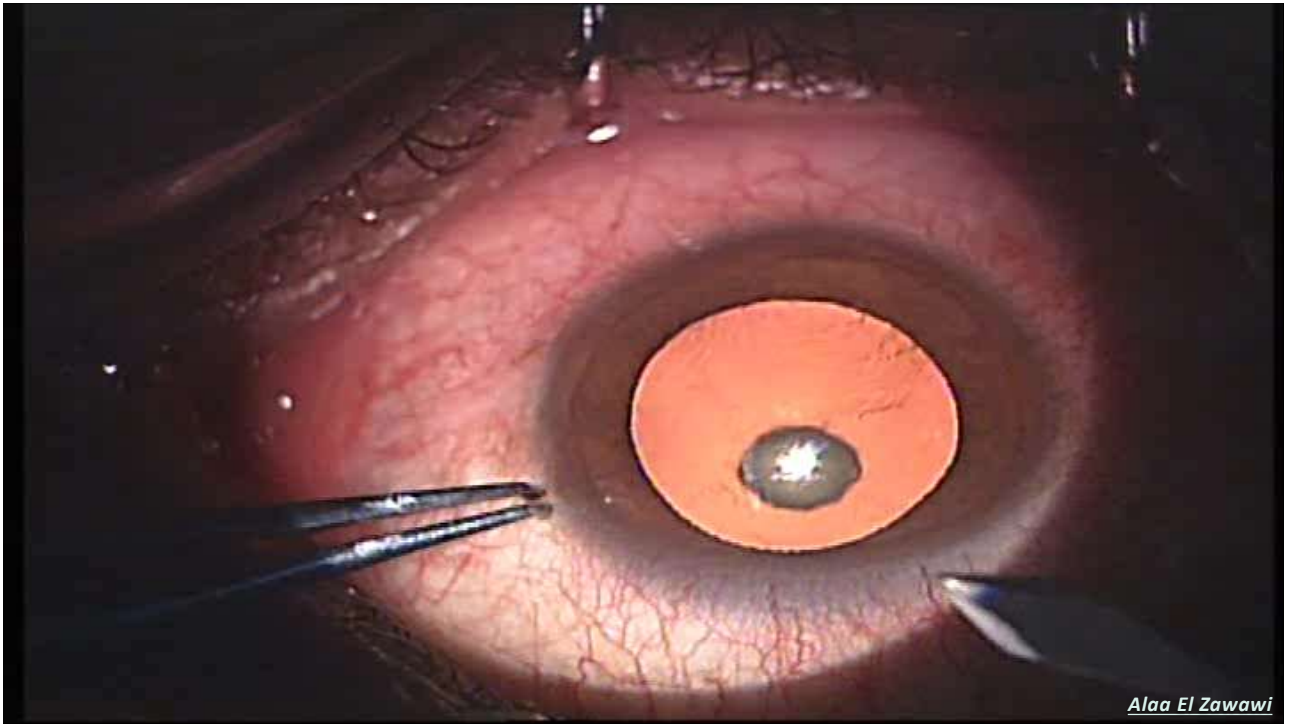
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Biometry

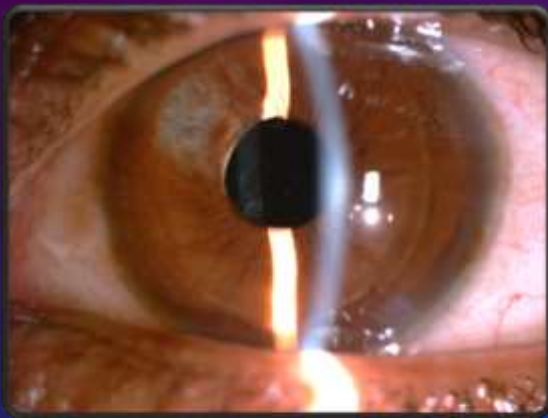
AL 24.37 mm
 ACD 3.65 mm
 Lens 4.08 mm
 K1 42.36 D
 K2 45.43 D
 AMO Tecnis 1 + 18.5 D

OD right		IOL calculation (Multifocal)		OS left	
(!) Indicates an uncertain measurement value. (*) Indicates that this value has been edited manually. --- Indicates a measurement failure.					
AL: ---	WTW: ---	AL: 24.37 mm (SD = 10 µm)	WTW: 12.8 mm	A D: -3.07 D @ 11P	K1: 42.36 D @ 21P
ACD: ---		ACD: 3.65 mm (SD = 3 µm)		IC: 45.43 D @ 21P	
LT: ---	A D: ---	LT: 4.08 mm (SD = 12 µm)		VA: ---	
SE: ---	K2: ---	SE: 43.84 D		SA: +0.00 D @ 0P	
K1: ---	VA: ---	K1: 42.36 D @ 11P		Target ref.: (plane)	
Ref: ---	SIA: ---	Ref: ---		Target ref.: (plane)	
Target ref.: ---		Target ref.: (plane)			
LB: Phakic; VB: Vitreous body;		LB: Phakic; VB: Vitreous body;			
LVC: Untreated; LVC mode: ---		LVC: Untreated; LVC mode: ---			
		BROGT A conc.: 119.90		Hague AD: -1.302 A1: +0.210 A2: +0.261	
		IOL (D) Ref (D) +18.50 -0.81 +19.00 -0.29 +18.50 +0.04 +18.00 +0.36 +17.50 +0.67 +18.00 Error		IOL (D) Ref (D) +19.50 -0.80 +19.00 -0.26 +18.50 +0.66 +18.00 +0.61 +17.50 +0.74 +18.00 Error	
		Barrett LP: +0.09 DF: +4.00		Holladay 2 ACD: +5.788	
		IOL (D) Ref (D) +18.50 -0.85 +19.00 -0.31 +18.50 +0.05 +18.00 +0.36 +17.50 +0.69 +18.50 Error		IOL (D) Ref (D) +19.50 -0.81 +19.00 -0.48 +18.50 -0.18 +18.00 +0.17 +17.50 +0.69 +18.25 Error	
Comment		Signature			

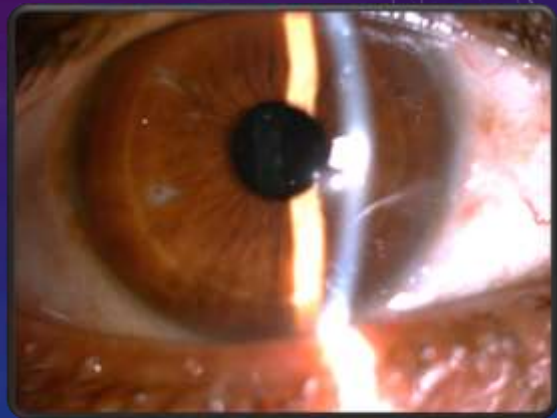
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Outcome



+ 1.5 / - 3.25 → 0.8



+ 1.0 / - 2.25 → 0.8

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CASE # 6

- Male 56 y
- Known Behcet's disease
- C/O Poor vision

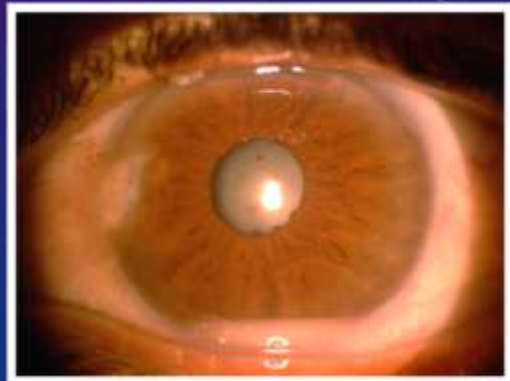
	Rt	Lt
VA	1/60 quiet eye v.v. shallow Ach Cells ++ Nuclear Cataract (? subluxated) Atrophic disc	1/60 quiet eye Shallow Ach Cells ++ Nuclear Cataract (? subluxated) V. hazy media
C/D	0.8 Tension 47 mmHg	0.9 Tension 14 mmHg

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- Given Antiglaucoma + Steroid E.D

- Tension uncontrolled 36 mmHg / 14 mmHg

- Lt eye developed hypopyon

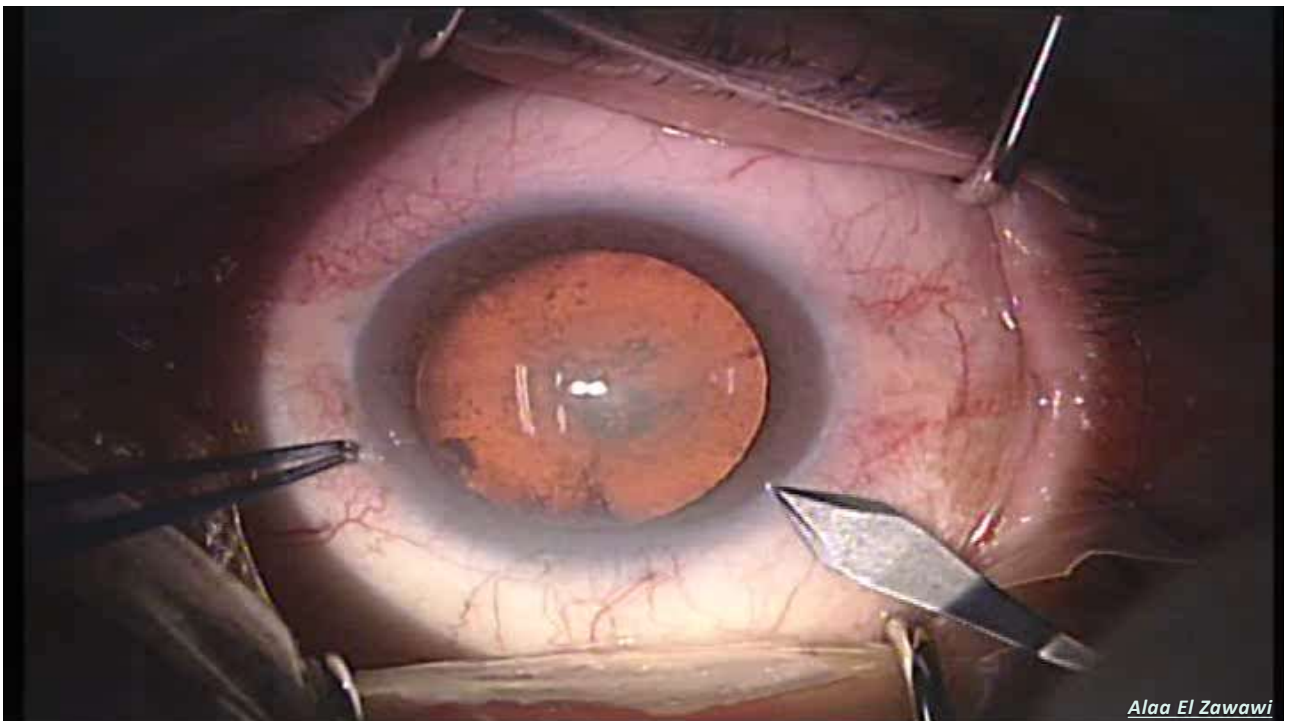


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Plan

Rt Cataract Op.

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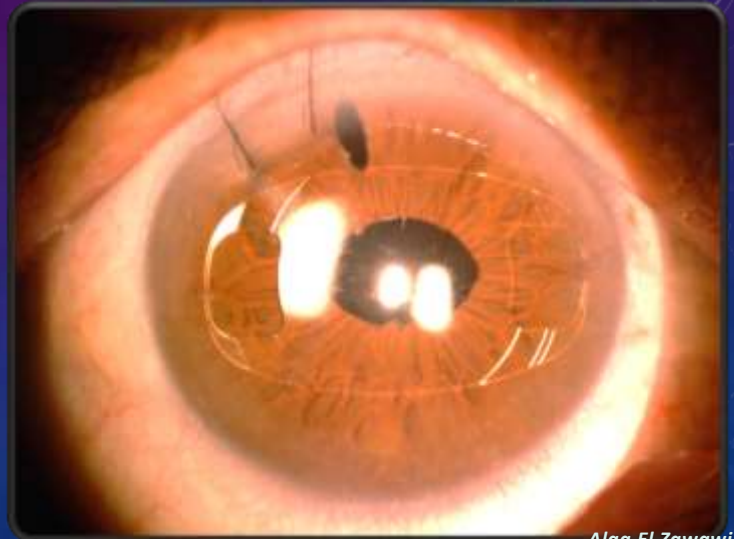
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Outcome

6 Days post-op

+ 1.5 / - 2.5 X 65 → 0.1

Tension 15 mmHg



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Last visit 26/02/2019 (1 month post op.)

+0.75 / -2.25 X 45 → 0.2

Tension 20 mmHg

On : - Systemic Prednisolone 10 mg tab

- Optipred slow tapering

- Twinzol 1 X 2

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