



INTERNATIONAL CONGRESS OF THE
EGYPTIAN
OPHTHALMOLOGICAL SOCIETY

In collaboration with:



MEACO
MIDDLE EAST AFRICA
COUNCIL OF OPHTHALMOLOGY

When perfection is the Challenge

By

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Professor of Ophthalmology

Alexandria - Egypt



The case

**A very demanding
high myope patient**

Age 47 years

Refraction 11/08/2012

Rt -13/-1.75x140 → 0.4

Lt -11/-2.5x70 → 0.4

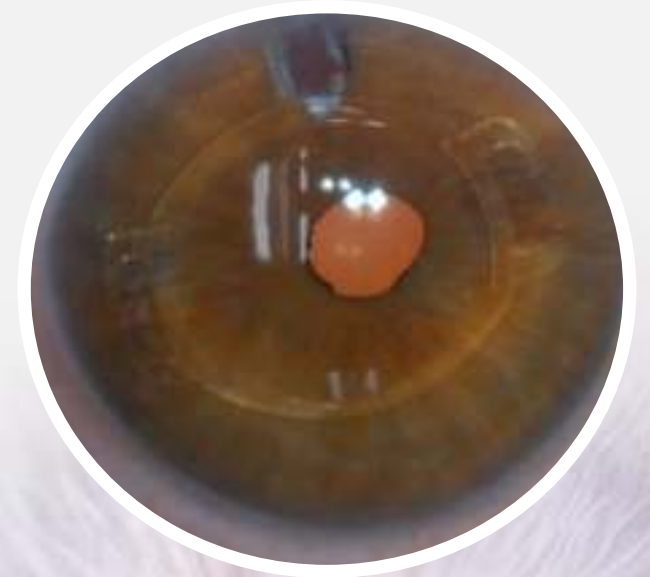
The case

**Rt Veriflex (-13 D)
24/09/2012**

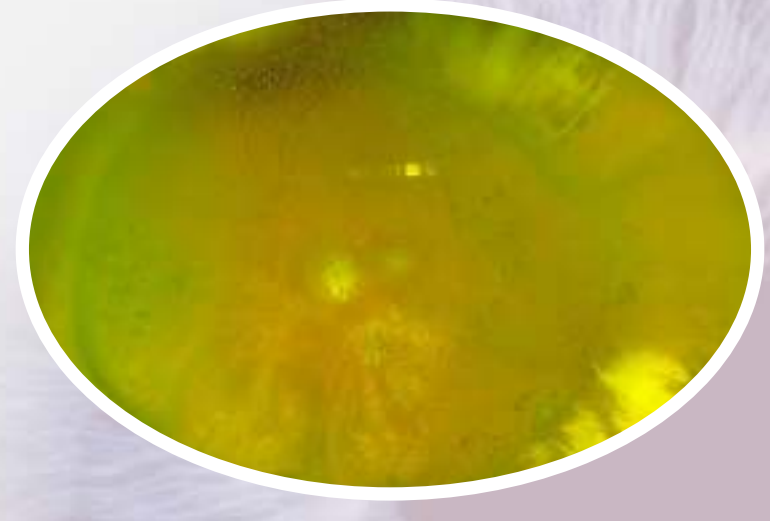
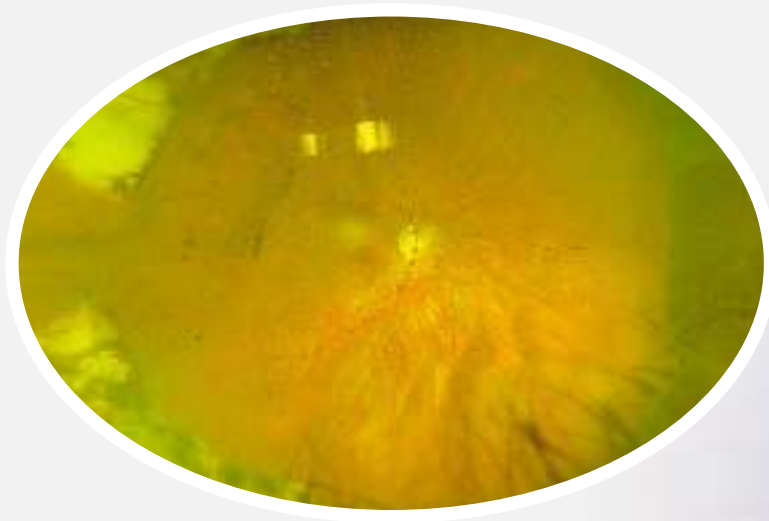
**Lt Veriflex (-12 D)
01/10/2012**

**- Good outcome:
Uncorrected
0.4 0.4**

**Corrected
0/-1.5x125 0.5 0/-1x90
0.5**



- Lt RD operated 03/03/2014
- Rt RD operated 08/09/2014

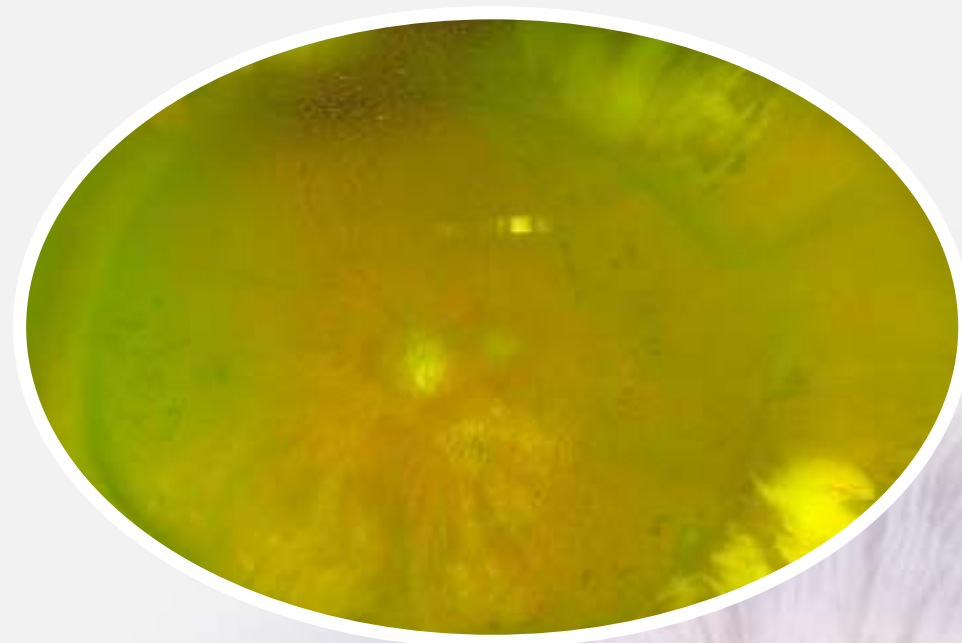
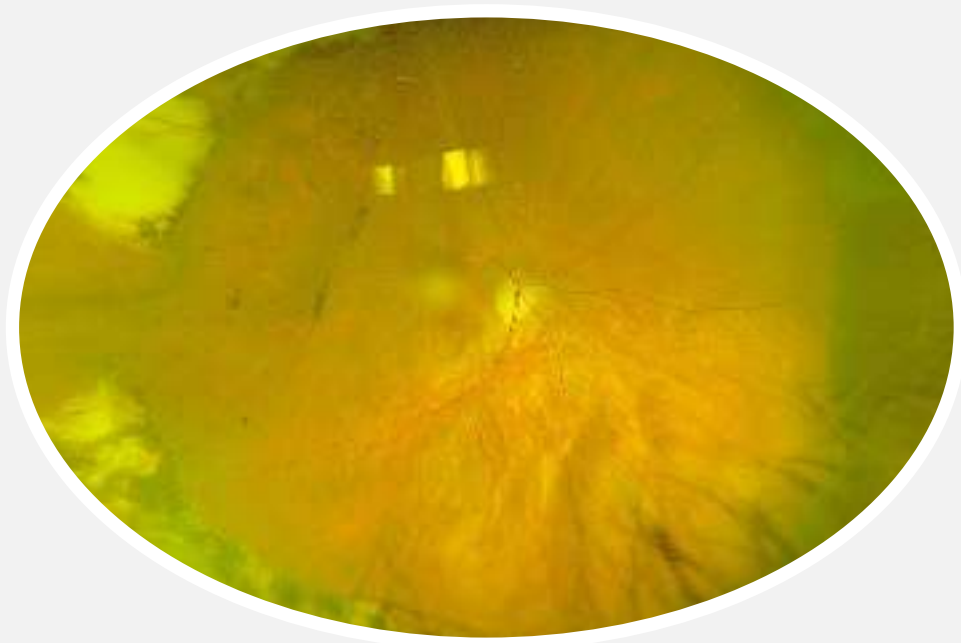


➤ **Lt haptic dislocation
re-enclavation 11/2014**



2024

- **Bil. Posterior Subcapsular Cataract with glare, halos , diminution of vision**
 - **More myopic shift.**
- **BCVA -3.5/-1X150 ➡ 0.3 -2.5/-1.5X90 ➡ 0.3**



Optos Ultrawide Field Image Report

21/09/2024

Diagnosis

Right Eye	Left Eye
Myopic fundus with tilted disc and peripapillary atrophy	Myopic fundus with tilted disc and peripapillary atrophy
Scleral buckle	Scleral buckle
Extensive peripheral chorioretinal scarring	Extensive peripheral chorioretinal scarring

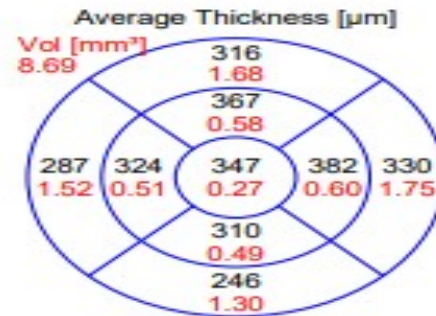
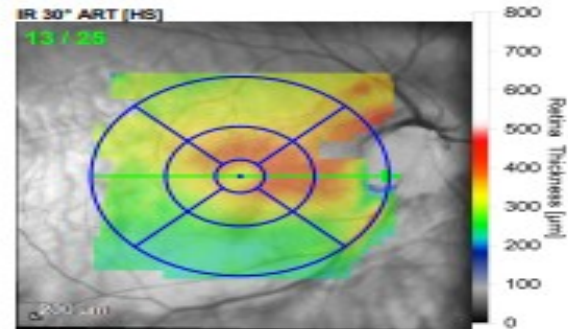
21/09/2024

Diagnosis: ---

DOB: Aug/5/1976
 Exam.: Sep/21/2024
 Comment: ---

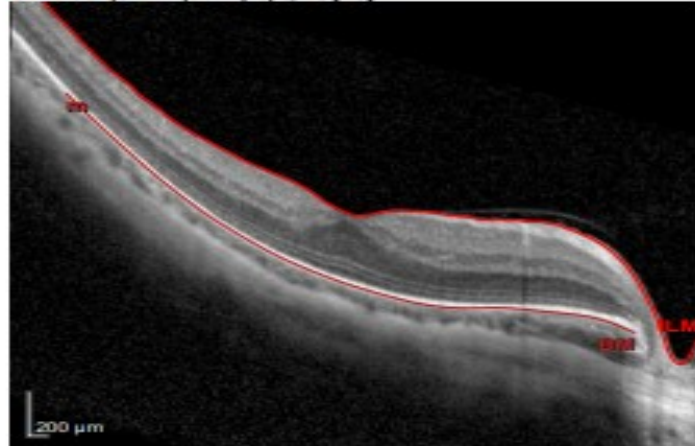
Sex: M

OD

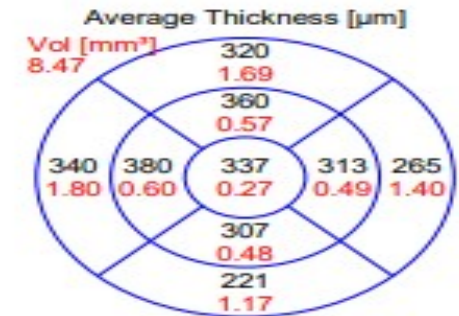
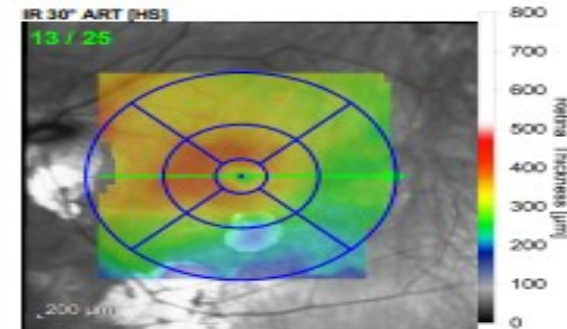


Center: 306 μm
 Central Min: 305 μm
 Central Max: 386 μm
 Circle Diameters: 1, 3, 6 mm ETDRS

OCT 20.0° (5.1 mm) ART (40) Q: 28 [HS]

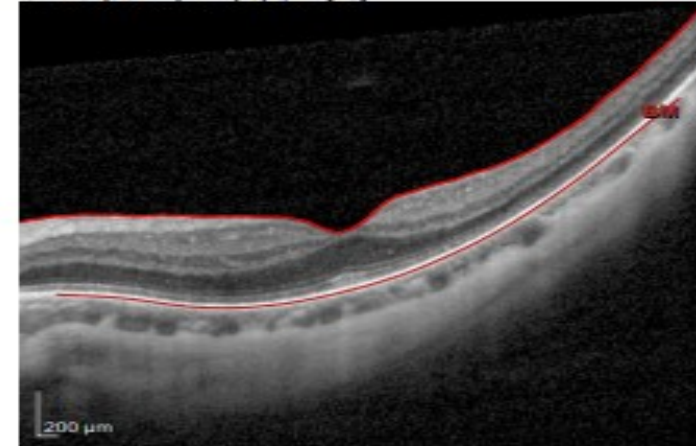


OS

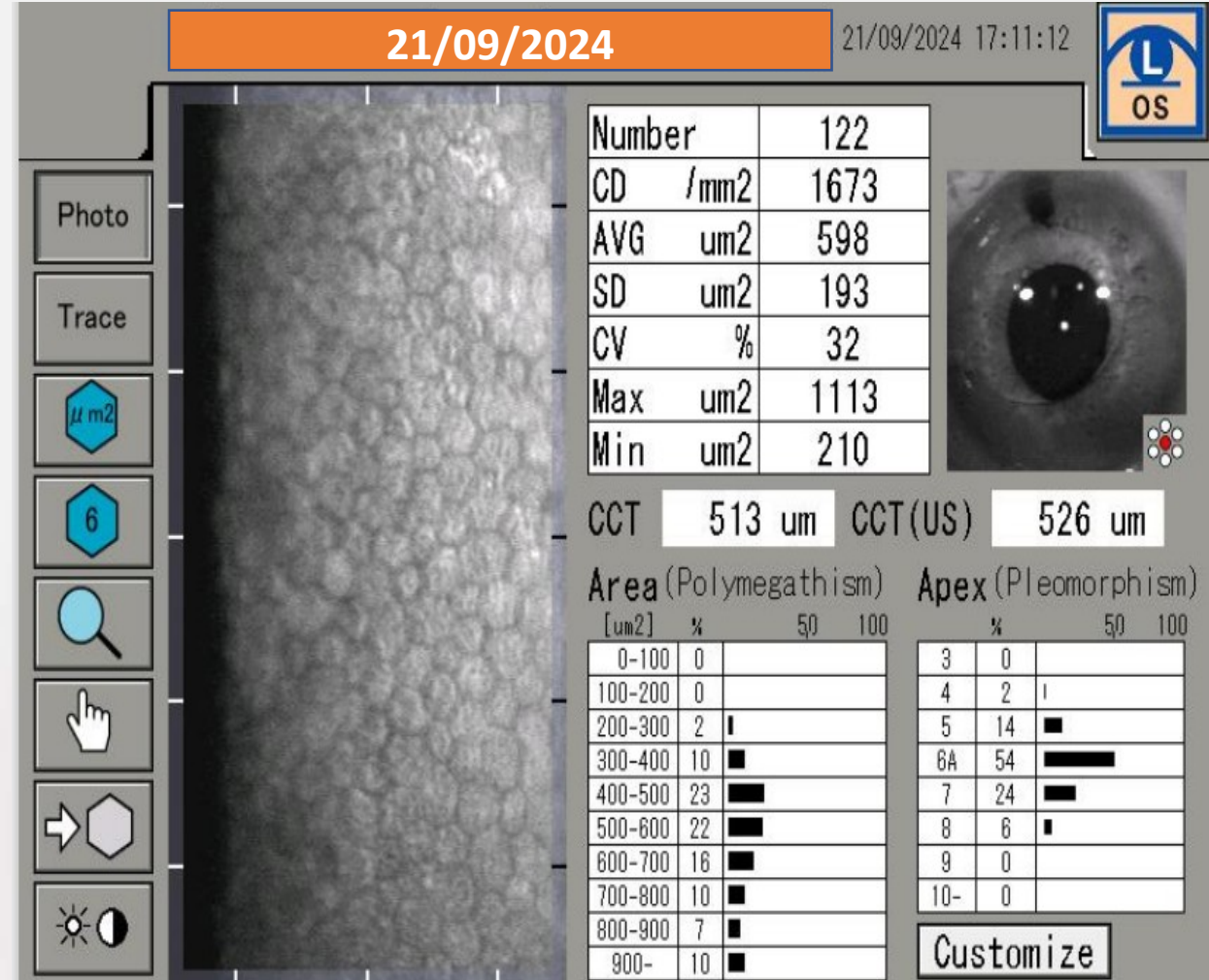
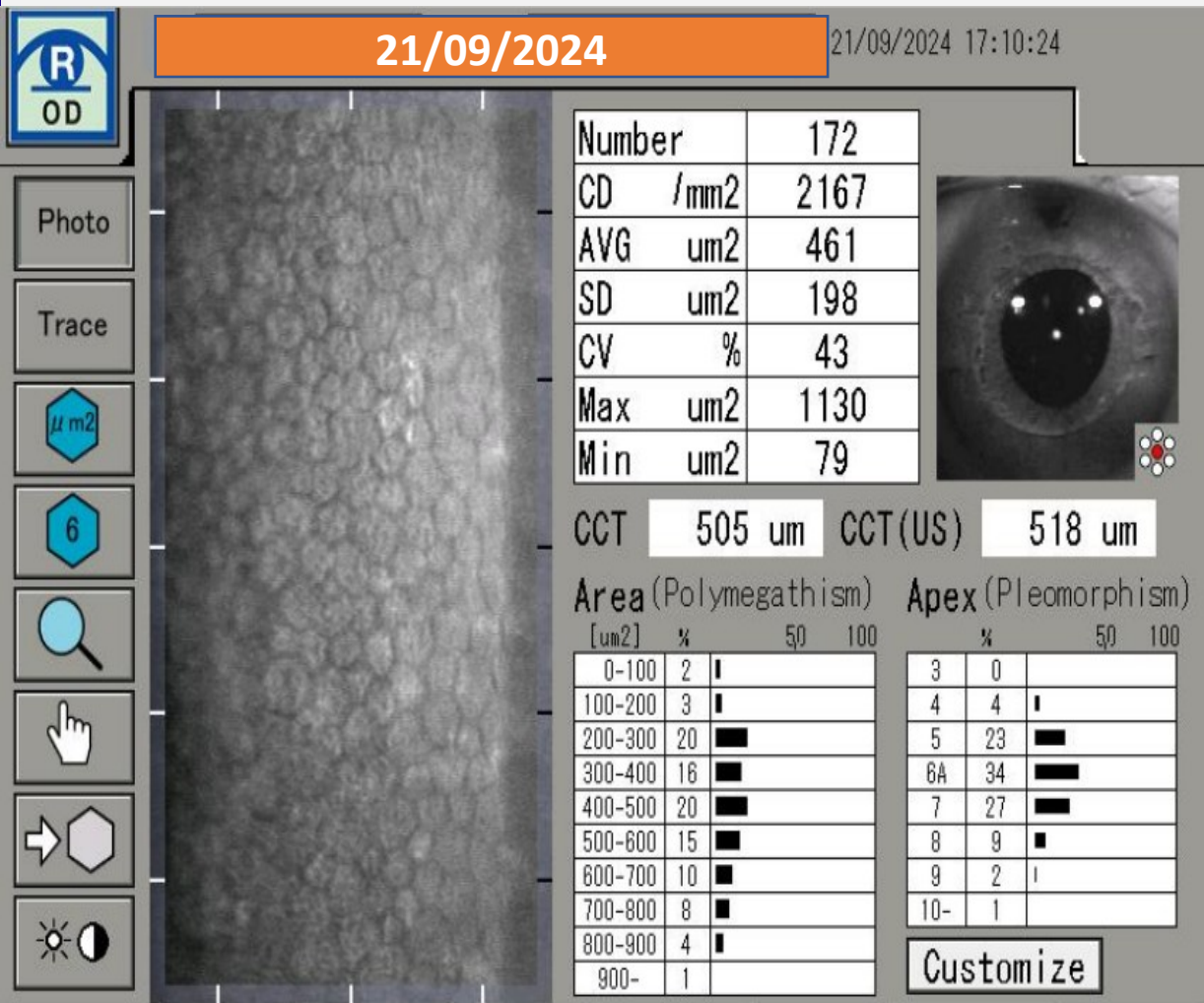


Center: 262 μm
 Central Min: 260 μm
 Central Max: 377 μm
 Circle Diameters: 1, 3, 6 mm ETDRS

OCT 20° (5.9 mm) ART (40) Q: 27 [HS]



- Both eyes show:
- Normal foveal contour.
- Multiple scans of RPE-ORL loss (OS), consistent with scar lesions seen at inf. macula.
- Fine ERM. VMA.



OD

right

IOL calculation

OS

left

21/09/2024

Eye status

LS: Phakic IOL	VS: Post vitrectomy	LS: Phakic IOL	VS: Post vitrectomy
Ref: ---	VA: ---	Ref: ---	VA: ---
LVC: Untreated	LVC mode: -	LVC: Untreated	LVC mode: -
Target ref.: plano	SIA: +0.00 D @ 0°	Target ref.: plano	SIA: +0.00 D @ 0°

Biometric values

AL: 29.93 mm	SD: 17 µm	AL: 29.04 mm	SD: 20 µm
ACD: 2.88 mm	SD: 7 µm	ACD: 2.53 mm	SD: 8 µm
LT: 5.14 mm (!)	SD: 45 µm	LT: 5.18 mm (!)	SD: 80 µm
WTW: 12.0 mm		WTW: 12.1 mm	
SE: 44.31 D	SD: 0.01 D	SE: 43.57 D	SD: 0.01 D
ΔK: -0.79 D @156°		ΔK: -0.81 D @ 81°	
TSE: 44.45 D	SD: 0.02 D	TSE: 43.72 D	SD: 0.04 D
ΔTK: -0.74 D @142°		ΔTK: -1.07 D @ 81°	
K1: 43.92 D @156°		K1: 43.17 D @ 81°	
K2: 44.71 D @ 66°		K2: 43.98 D @171°	
TK1: 44.08 D @142°		TK1: 43.19 D @ 81°	
TK2: 44.83 D @ 52°		TK2: 44.26 D @171°	

K	Bausch + Lomb enVista	K	Bausch + Lomb enVista	K	Bausch + Lomb enVista	K	Bausch + Lomb enVista
	- SRK®/T - A const.: 119.29		- Hoffer® Q - pACD: +5.82		- SRK®/T - A const.: 119.29		- Hoffer® Q - pACD: +5.82
	IOL (D) Ref (D)		IOL (D) Ref (D)		IOL (D) Ref (D)		IOL (D) Ref (D)
	+4.00 -1.42		+3.00 -1.41		+7.00 -1.20		+6.00 -1.03
	+3.00 -0.83		+2.00 -0.82		+6.00 -0.59		+5.00 -0.44
	+2.00 -0.27		+1.00 -0.24		+5.00 +0.01		+4.00 +0.15
	+1.00 +0.29		+0.00 +0.33		+4.00 +0.59		+3.00 +0.72
	+0.00 +0.84		---		+3.00 +1.17		+2.00 +1.28
	+1.53 Emmetropia		+0.58 Emmetropia		+5.02 Emmetropia		+4.26 Emmetropia

K	Bausch + Lomb enVista	K	Bausch + Lomb enVista	K	Bausch + Lomb enVista	K	Bausch + Lomb enVista
	- Barrett Universal II - LF: +2.04 DF: -0.5		- Holladay 1 - SF: +2.02		- Barrett Universal II - LF: +2.04 DF: -0.5		- Holladay 1 - SF: +2.02
	IOL (D) Ref (D)		IOL (D) Ref (D)		IOL (D) Ref (D)		IOL (D) Ref (D)
	+4.00 -1.22		+3.00 -1.28		+7.00 -1.00		+6.00 -1.06
	+3.00 -0.66		+2.00 -0.65		+6.00 -0.39		+5.00 -0.42
	+2.00 -0.11		+1.00 -0.03		+5.00 +0.19		+4.00 +0.20
	+1.00 +0.42		+0.00 +0.58		+4.00 +0.77		+3.00 +0.82
	+0.00 +1.63		---		+3.00 +1.32		+2.00 +1.42
	+1.79 Emmetropia		+0.95 Emmetropia		+5.33 Emmetropia		+4.33 Emmetropia



EOS 2025

EGYPTIAN OPHTHALMOLOGICAL SOCIETY

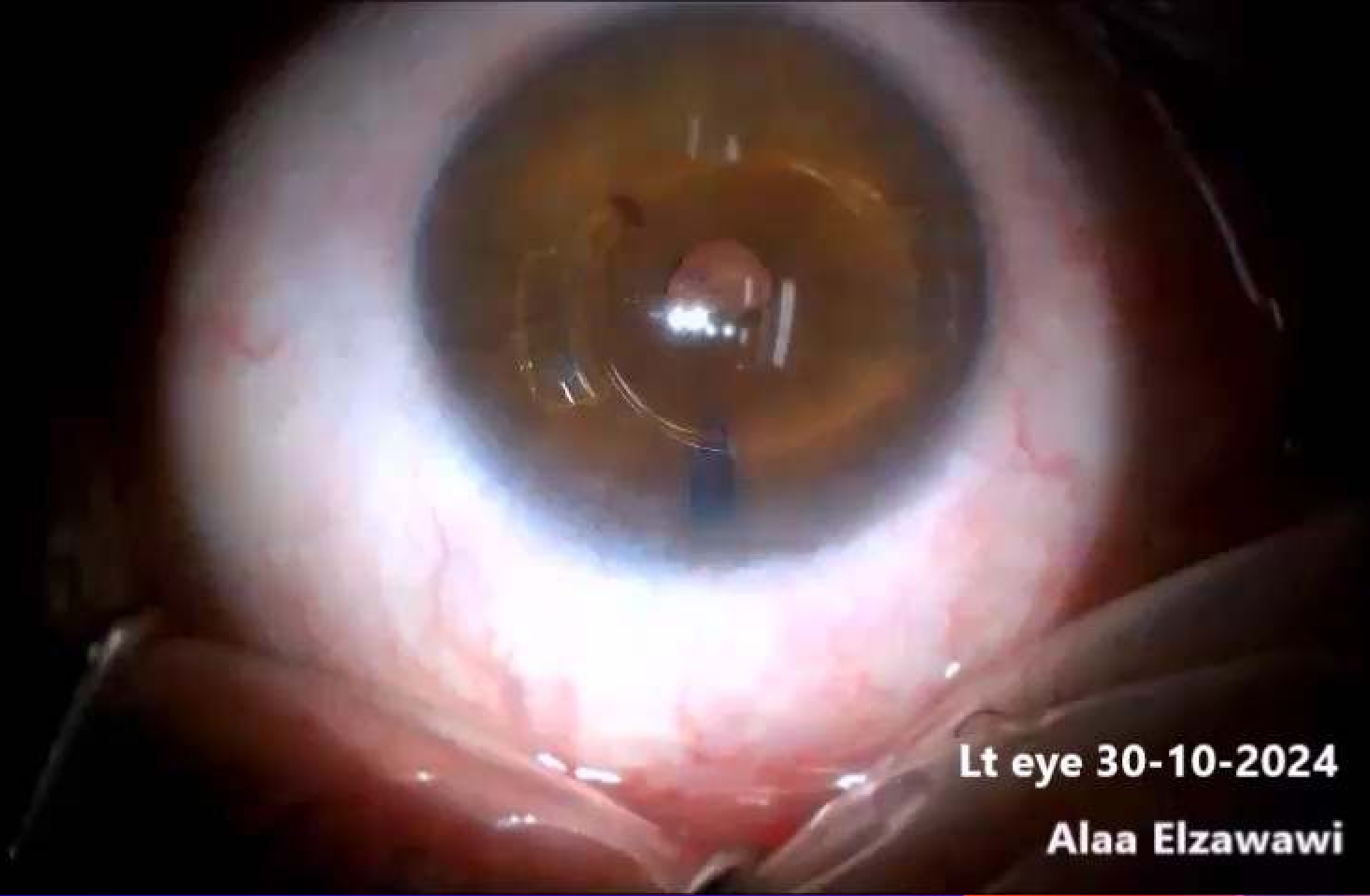
Challenges

- **Biometric challenge**
- **Removal of the Veriflex**
 - **Retinal challenge**
 - **Surgical challenge**
- **Tools for the surgery**

In a very
demanding patient

Planning for the Surgery

- **GA**
- **Incisions**
- **Instruments**



Lt eye 30-10-2024

Alaa Elzawawi

31/10/2024



VD=12.00mm
WD=40cm

<R>	S	C	A	
+ 0.50	- 1.25	138	9	
+ 0.25	- 1.00	137	9	
+ 0.25	- 1.00	137	9	
<+ 0.25	- 1.00	137>		

<L>	S	C	A	
+ 0.00	- 1.00	97	7	
+ 0.00	- 1.00	98	7	
+ 0.00	- 1.00	99	7	
<+ 0.00	- 1.00	98>		

PD 64 N 60

NIDEK AR-310A



05/11/2024

➤ Glasses
+0.5/-1x140 ➡ **0.7 +0.5/-1.25x90**
0.7 ➡
+ 2.50



One month post-operative



Lt diminution
of vision with no
auto-refraction.
“Capsular Phimosiis”



Lt YAG anterior capsulotomy



After Lt YAG anterior capsulotomy

Back to normal
0.7 0.7
Happy patient
(up till now)





Thank You