

# Simultaneous reconstruction of anterior and posterior segment in patient after blunt trauma

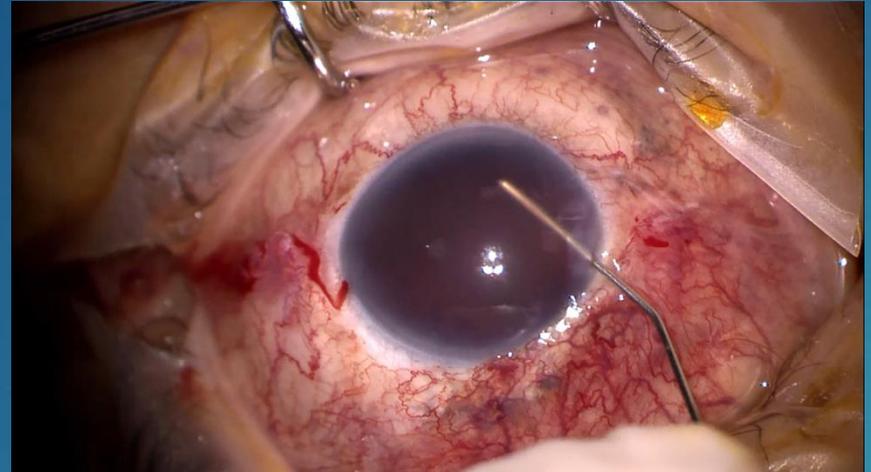
**LAZOV M. DASKALOV. V**

SOHAT “PENTAGRAM”  
SOFIA, BULGARIA



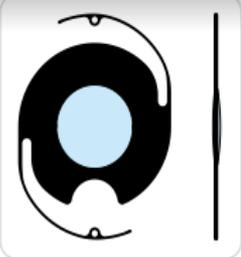
# Introduction

- ▶ A 40 – year old female patient after blunt trauma, leading to lamellar laceration.
- ▶ The patient has gone through primary surgery treatment in other clinic. BCVA was PPLC/color+/-
- ▶ The patient was in aphakic status, total hyphema and haemophthalmus, traumatic aniridia and total retinal detachment.
- ▶ Primary pars plana vitrectomy was done with silicone oil tamponade.
- ▶ The BCVA was 0.05 with correction of +5.00 dpt .
- ▶ Six months later inferior retinal detachment with subretinal proliferations were found.



# Methods

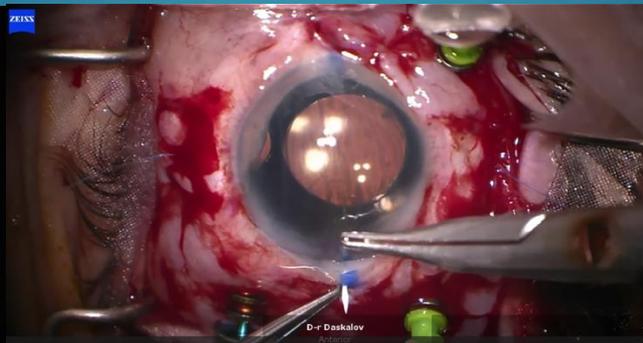
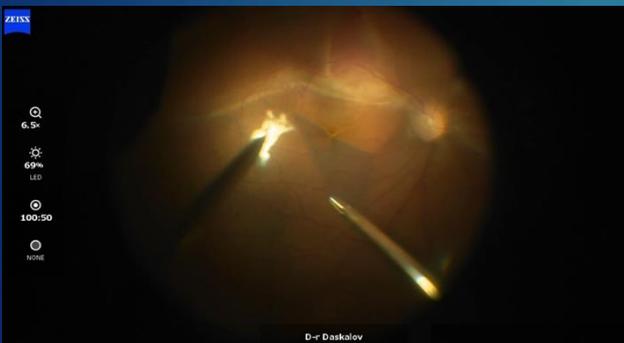
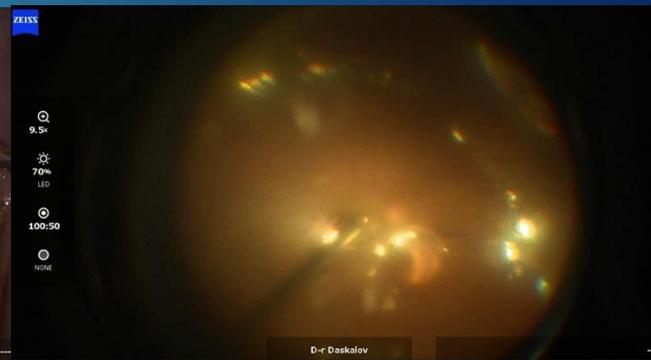
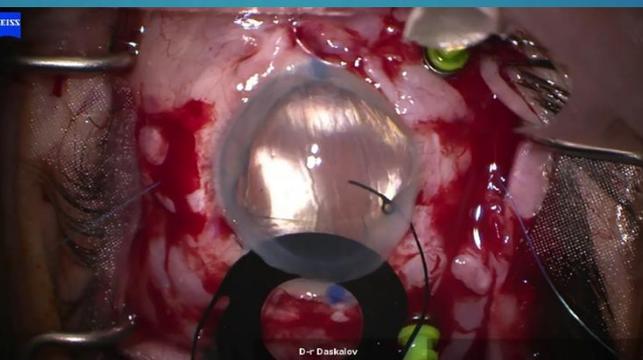
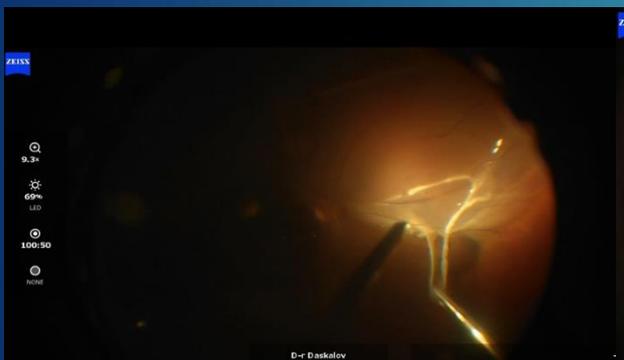
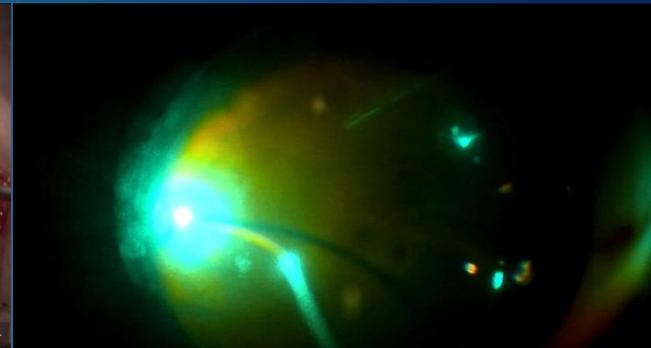
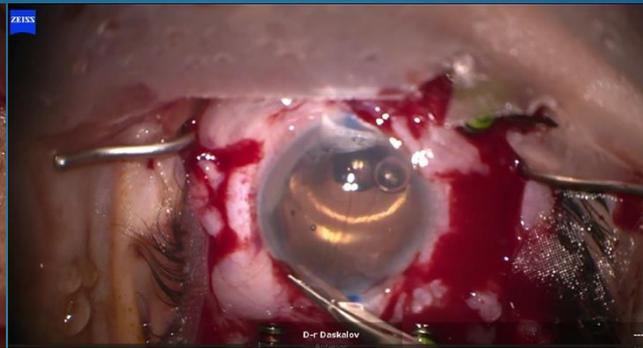
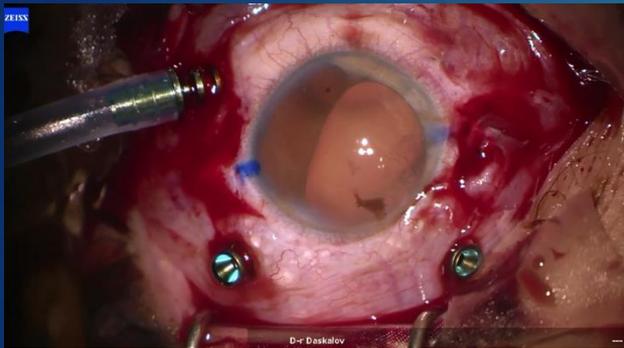
- ▶ Combined surgery was planned.
- ▶ We decided to use Morcher aniridia IOL with Ando iridectomy, fixated to the sclera.
- ▶ The IOL was calculated using B scan-biometry, corneal topography and Barret formula software.
- ▶ During the surgery vitrectomy with PVR management techniques were done, ILM peeling, endolaser and silicone tamponade.
- ▶ The IOL was fixed to the sclera through scleral flaps.



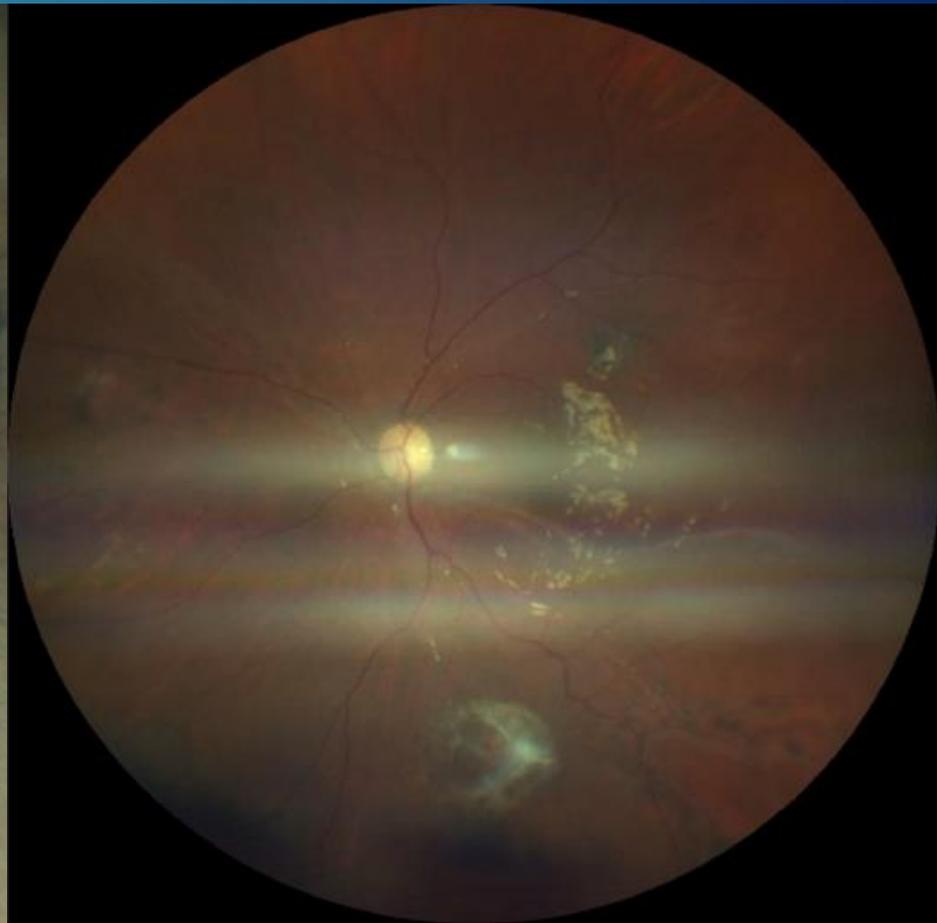
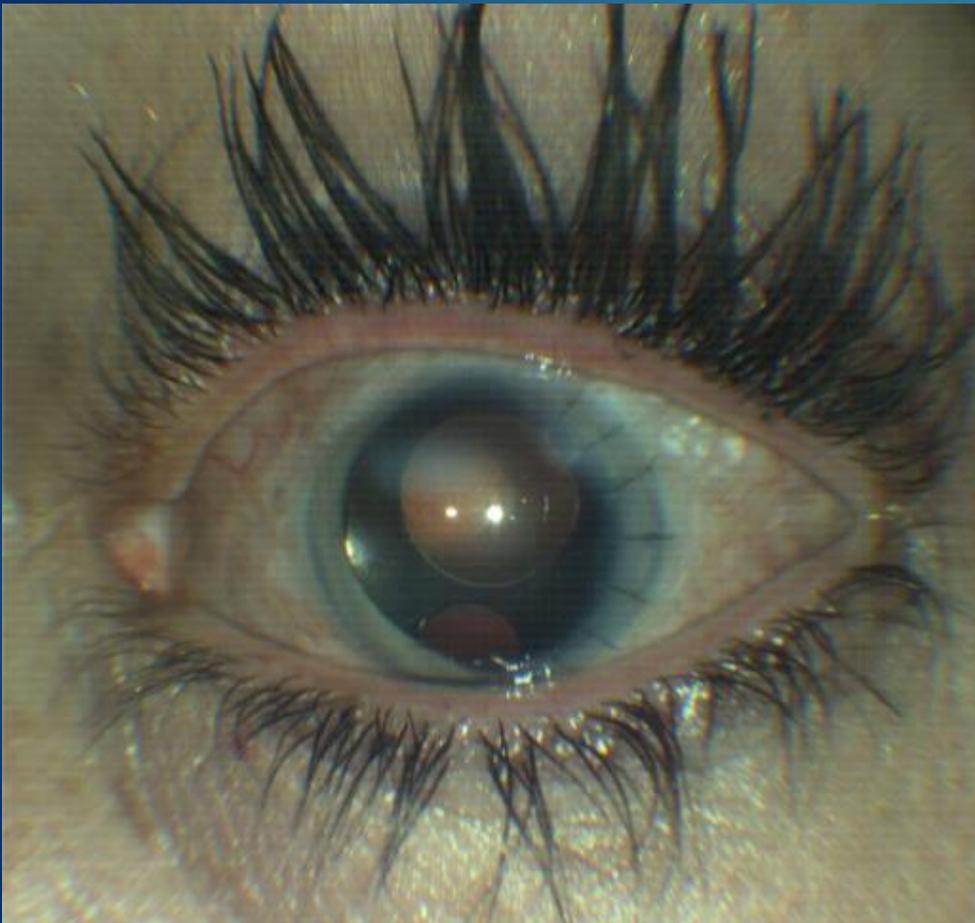
**ANIRIDIA IOL**

	<b>CMD 6781</b>
Total Diameter	13.5 mm
Optic Diameter	5.0 mm
Position	Sulcus
Fixation	We recommend the use of 9-0 double armed prolene sutures with spatula needles.
Haptic	0°
Diaphragm	5.0 – 10.0 mm
Theoretical Standard Diopter	22.0 D
Theoretical A-Con. (optical)	118.7   Scleral sutured = 119.6
Theoretical ACD (optical)	5.37 mm   Scleral sutured = 5.90 mm
Material	Optic: CLEAR PMMA   Diaphragm: BLACK PEMA
Filter	UV-Filter
Refractive Index Optic	1.49
Incision	> 10.0 mm
Features	Option for scleral fixation. Opening in the diaphragm (1.5 – 3.0 mm) for the injection of vitreous body substitutes.

# The Findings



# Results



VOD= 0,4 c  
+4,00/+1,75/90\*