

# Suprachoroidal visco buckling

Stratos Gotzaridis MD,  
My Retina Athens Eye Center,  
Athens,  
Greece

> Ophthalmology. 1986 Nov;93(11):1408-12. doi: 10.1016/s0161-6420(86)33553-x.

## Suprachoroidal implantation for the treatment of retinal detachment

T A Poole, R D Sudarsky

PMID: 3808600 DOI: 10.1016/s0161-6420(86)33553-x

14 cases  
sodium hyaluronate

> Retina 2013 May;33(5):1073-5. doi: 10.1097/IAE.0b013e318287daa5.

## Suprachoroidal buckling for retinal detachment

Ehab N El Rayes <sup>1</sup>, Yusuke Oshima

Affiliations + expand

PMID: 23612022 DOI: 10.1097/IAE.0b013e318287daa5

*5 cases*

Injection of 0.2 mL to 0.5 mL from

- Restylane Perlane (Q-Med) 20 mg/mL → 8 to 12 months
- Healon 5 (23 mg/mL)

> [Retina](#). 2017 Apr;37(4):622-629. doi: 10.1097/IAE.0000000000001214.

# **SUPRACHOROIDAL BUCKLING FOR THE MANAGEMENT OF RHEGMATOGENOUS RETINAL DETACHMENTS SECONDARY TO PERIPHERAL RETINAL BREAKS**

Ehab N El Rayes <sup>1</sup>, Mikel Mikhail, Hala El Chewaiky, Kareem Elsayah, Andre Maia

Affiliations + expand

## Abstract

41 eyes of 41 pnts undergoing suprachoroidal buckling for the management of RRD secondary to single or multiple retinal breaks.

Suprachoroidal indentation was achieved through the introduction of filler material using a 23G olive-tipped, suprachoroidal cannula.

REF 3311 Olive Tip SC Cannula 23g [El Rayes]

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## Results:

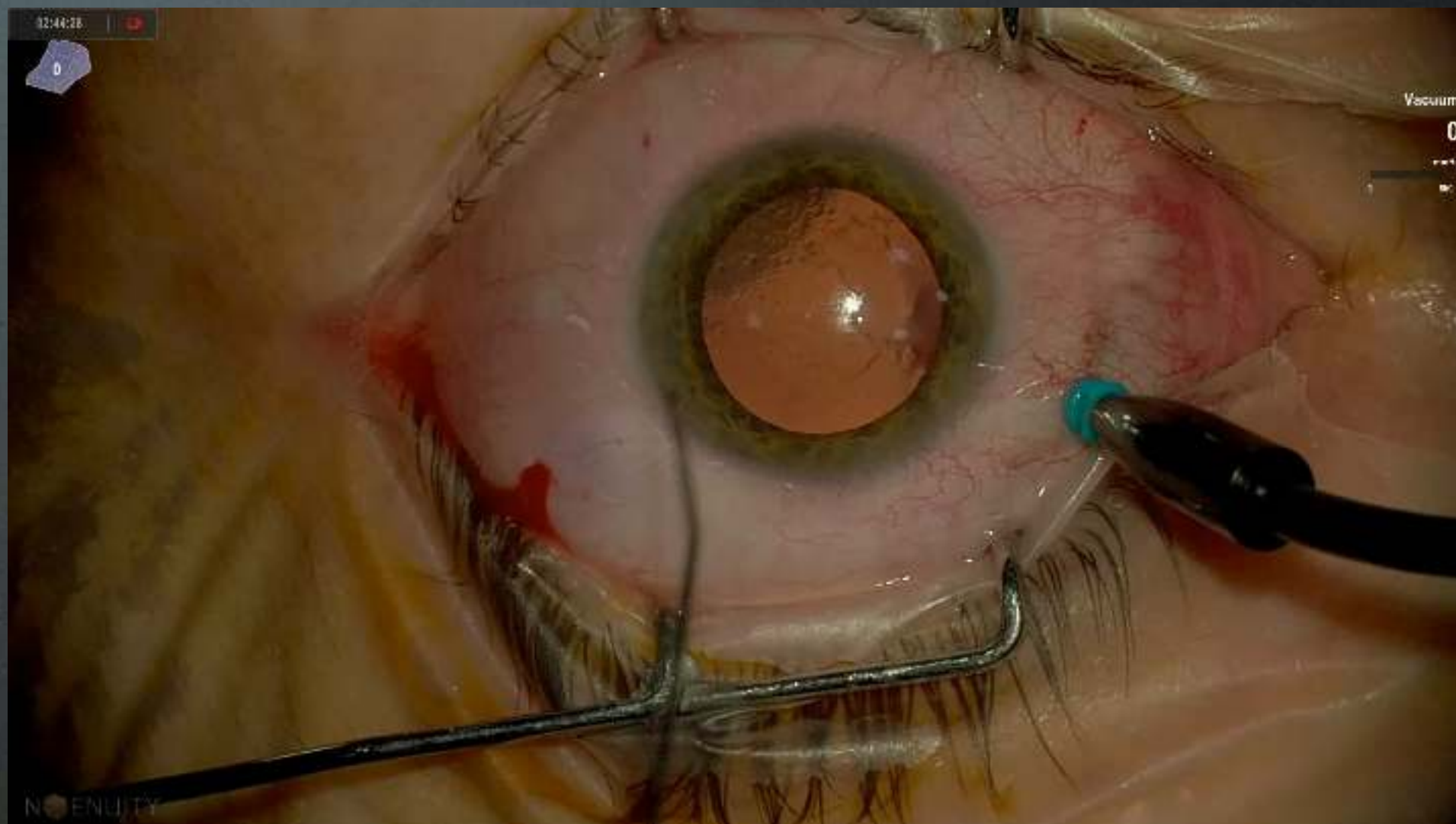
Single surgery reattachment rate was 92.7%

Final retinal reattachment in all 41 eyes (100%).

No major complications were observed.

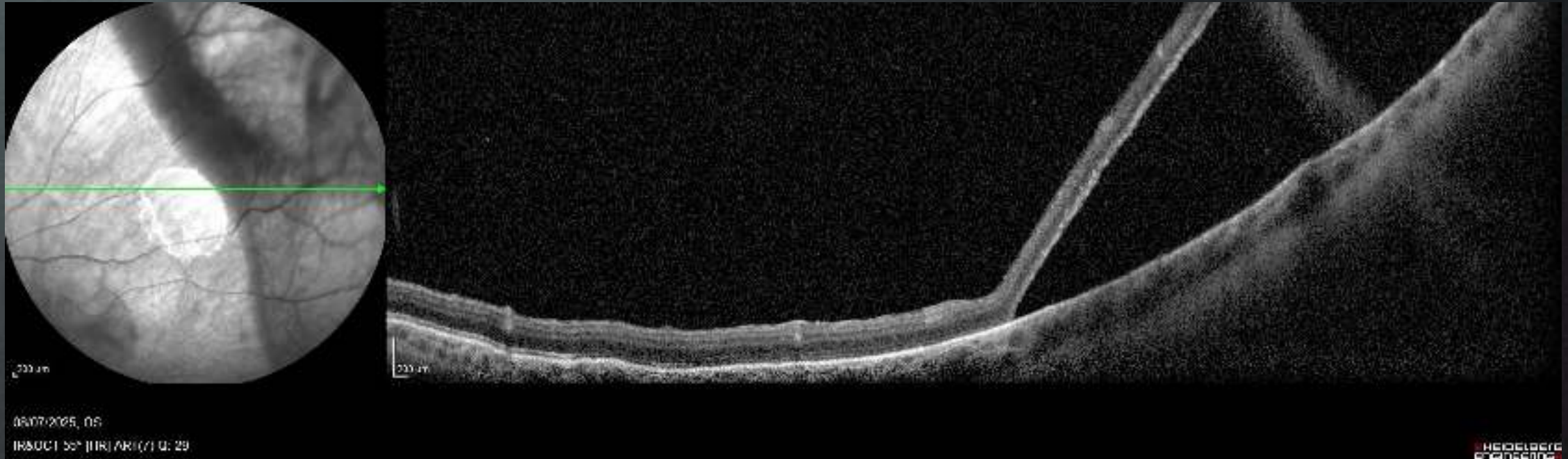
2 localized suprachoroidal hemorrhages occurred at the entry site for the cannula. These resolved without further intervention.

## Video



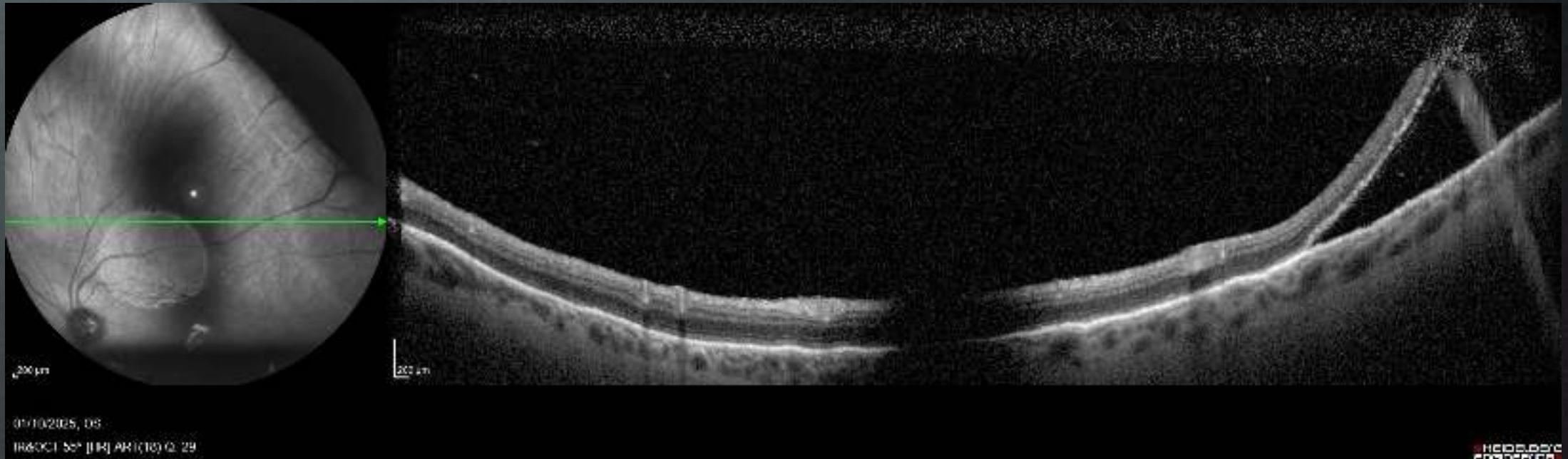
Pnt 1

# OCT pre - op - VA 7/10 cc



Pnt 1

# OCT 3 months post – op - VA 9/10 cc



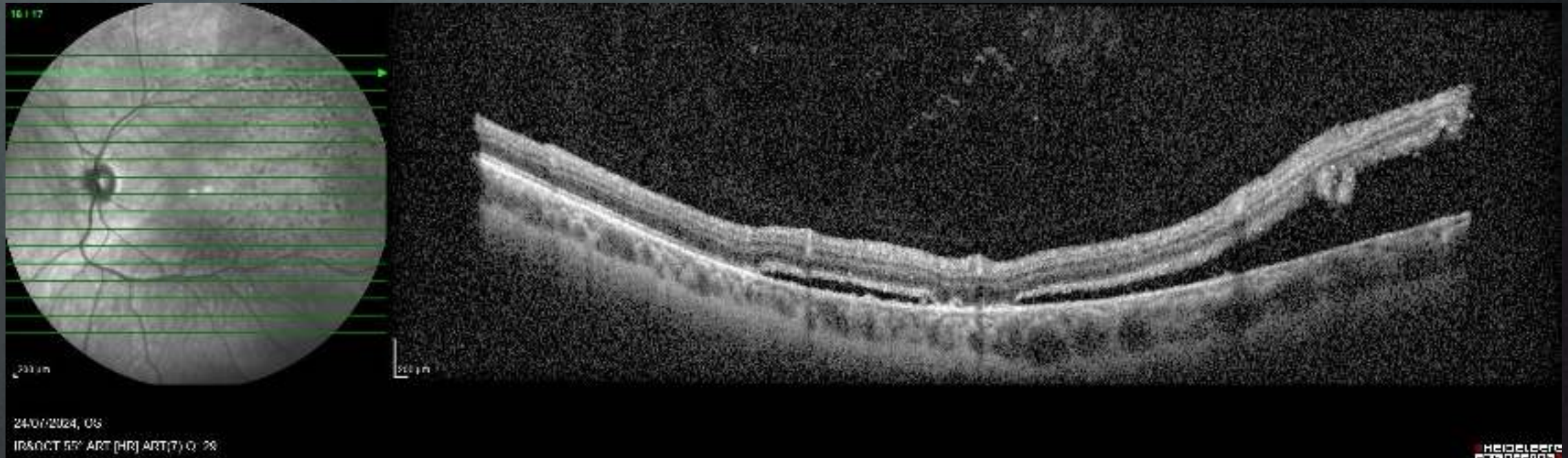
Pnt 1

# Color OCT 3 months post – op - VA 9/10 cc



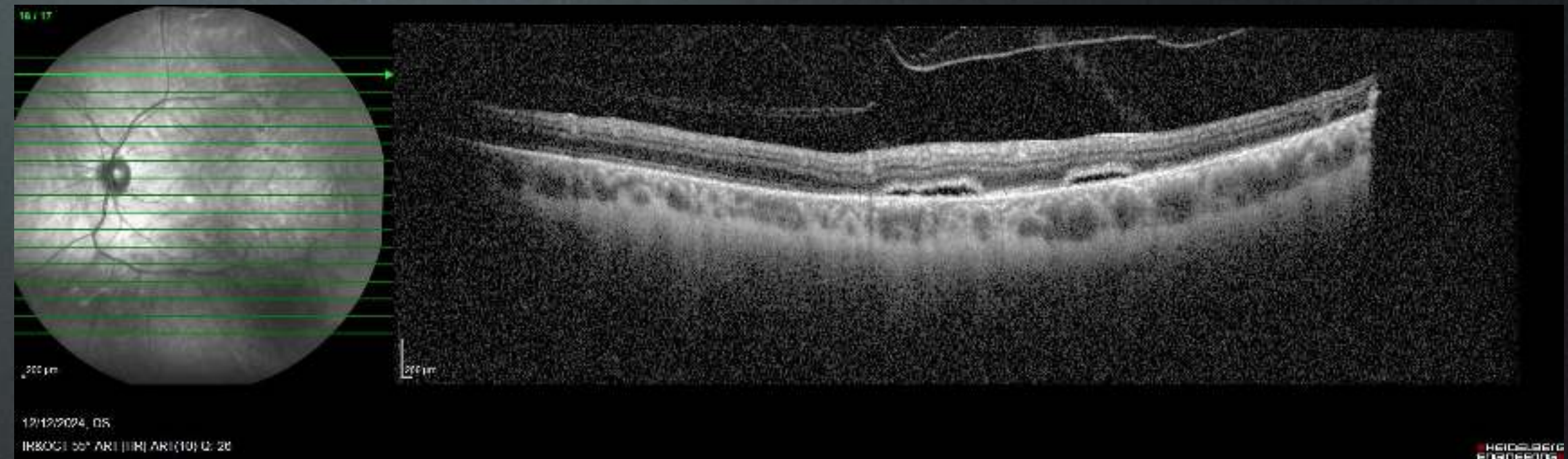
Pnt 2

# OCT pre – op - VA 5/10 cc



Pnt 2

OCT 16 months post – op - VA 10/10 cc



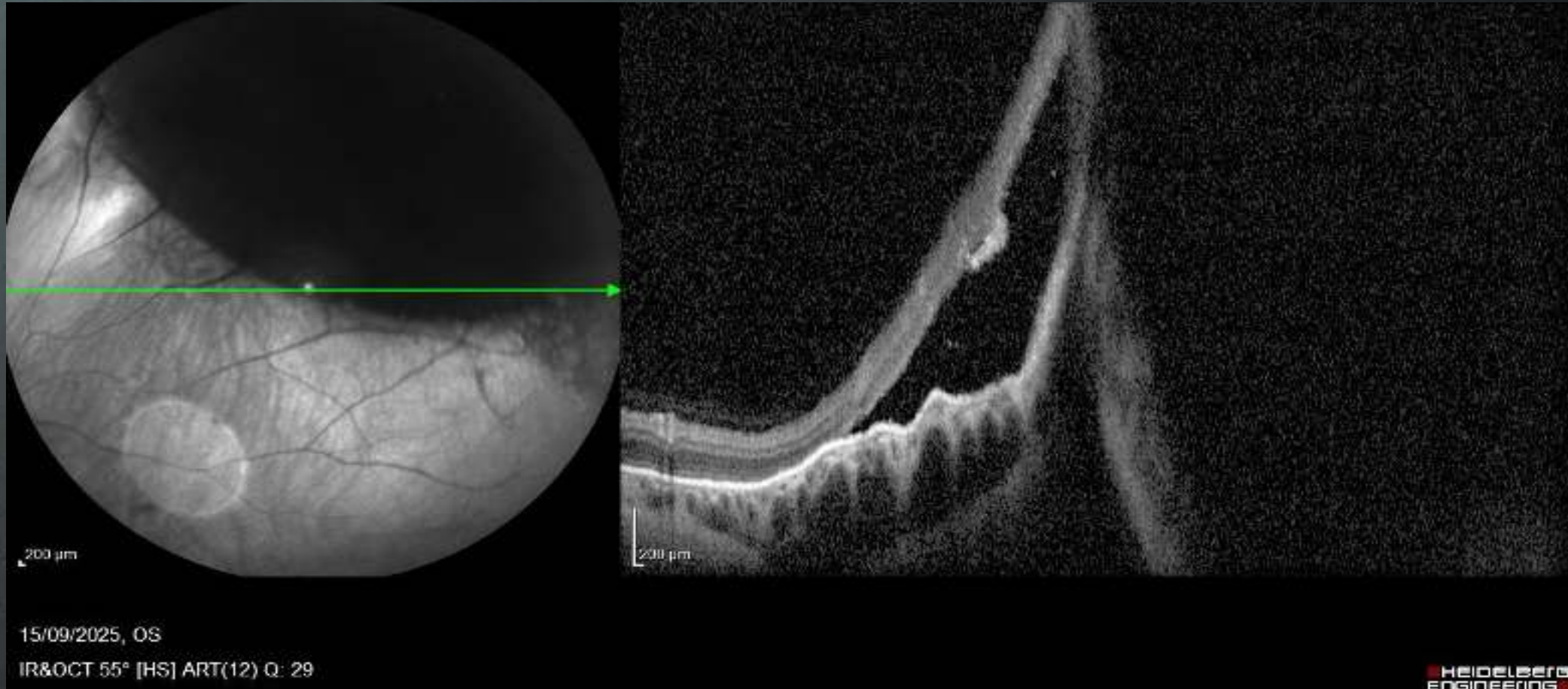
Pnt 2

A/F image 16 months post – op - VA 10/10 cc



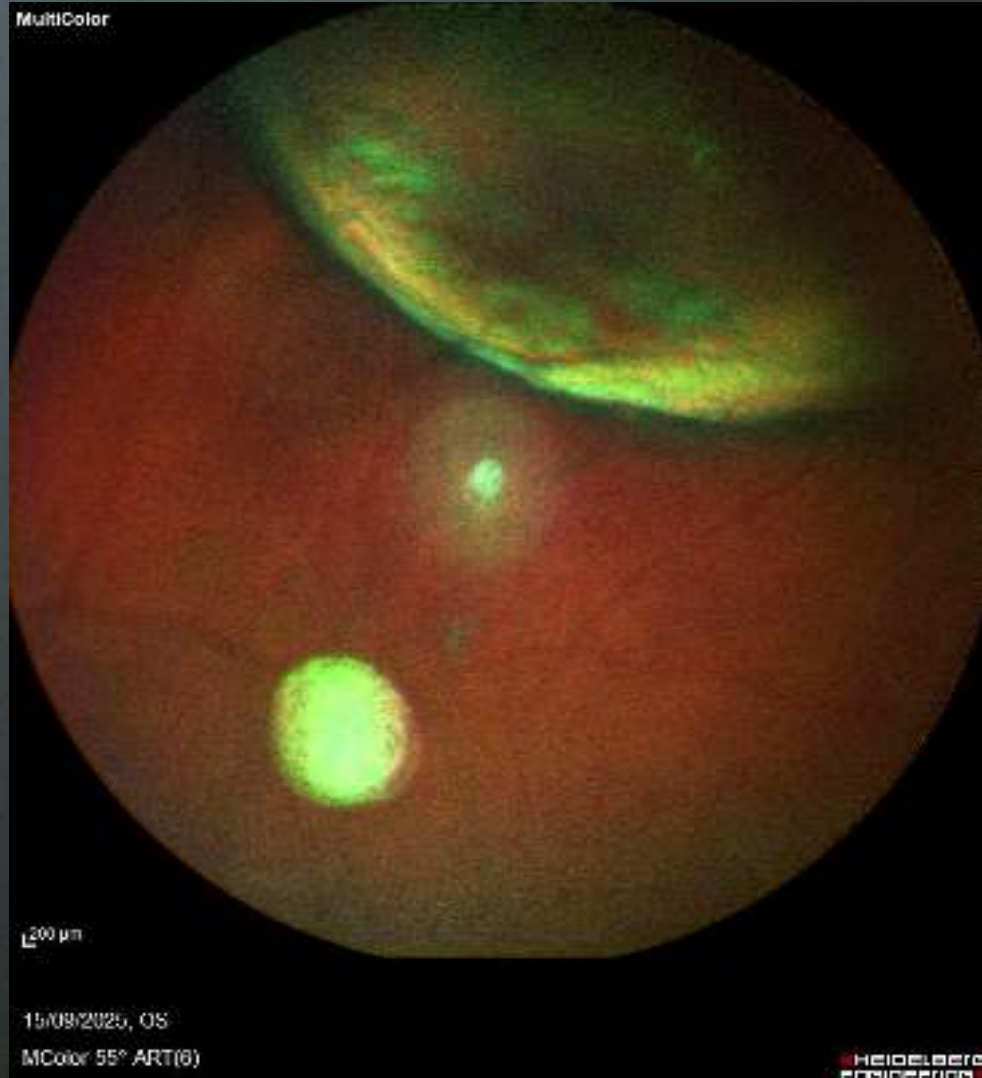
Pnt 3 video

# OCT 4 months post – op - VA 10/10 ua



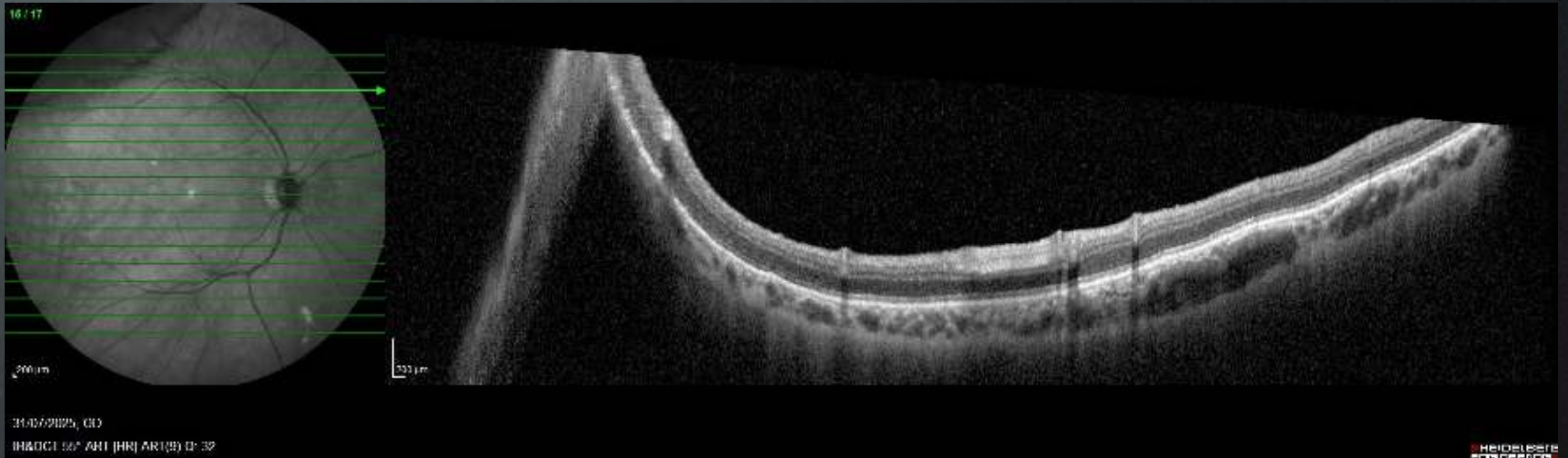
Pnt 3 video

# Color OCT 4 months post – op - VA 10/10 ua



Pnt 4 haemorrhage

# OCT 2 months post – op - VA 10/10 cc



Pnt 4 haemorrhage

Color OCT 2 months post – op – VA 10/10 cc



This technique

Is less traumatic

With shorter operating time

And provides

a great opportunity to be introduced again in to our ORs and to be taught to the fellows because provides all the benefits of the scleral buckle procedure

## Advantages:

Minimally invasive

Shorter recovery time

No muscles involvement

Controlled indent under direct visualization

## Risks:

Suprachoroidal haemorrhage

Retinal or choroidal injury

Failure of treatment

Ocular hypertension

Case selection:

All the cases that planned for sectorial buckle

Non PVD chronic RDs

Single brake RDS

Inferior brake RDs

Inferior scleral support in PPV cases with inferior brakes

In Conclusion:

Safe and useful technique in selective cases

Less traumatic

Easy to be learned



Thank you!