Deep sclerectomy a new approach

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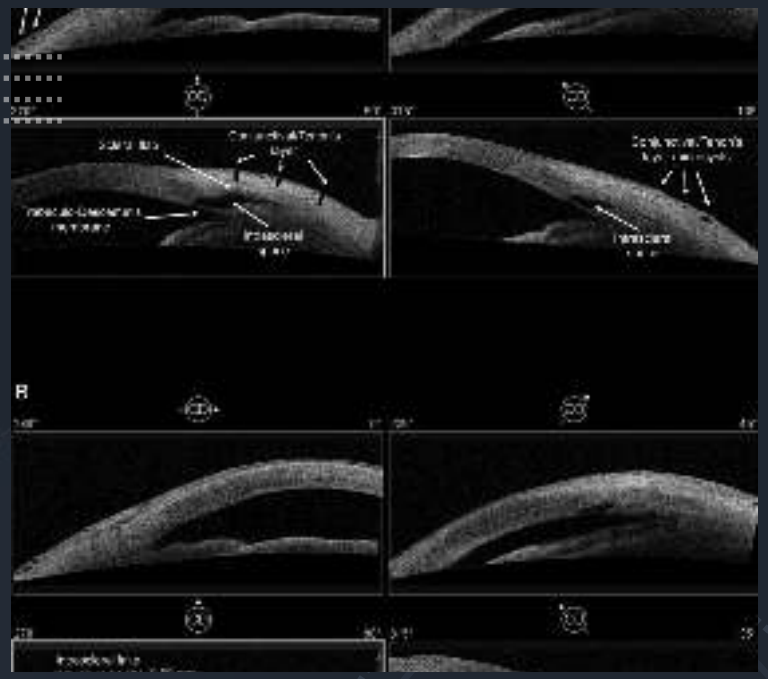
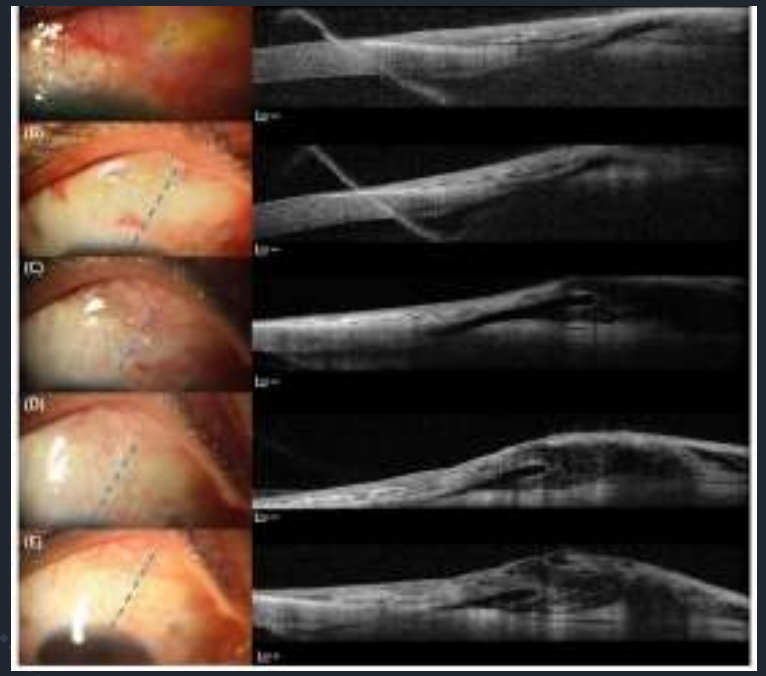
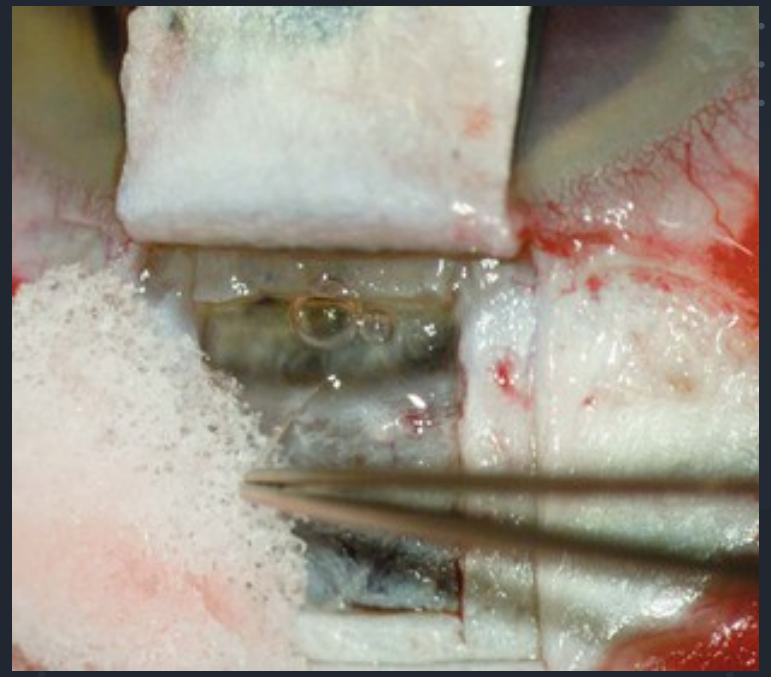




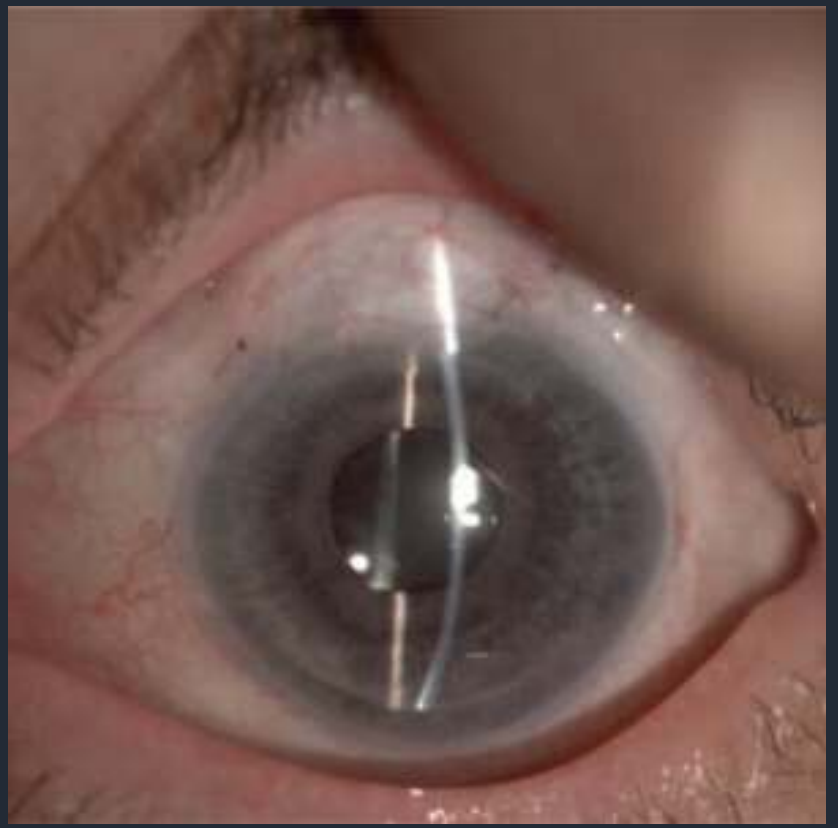


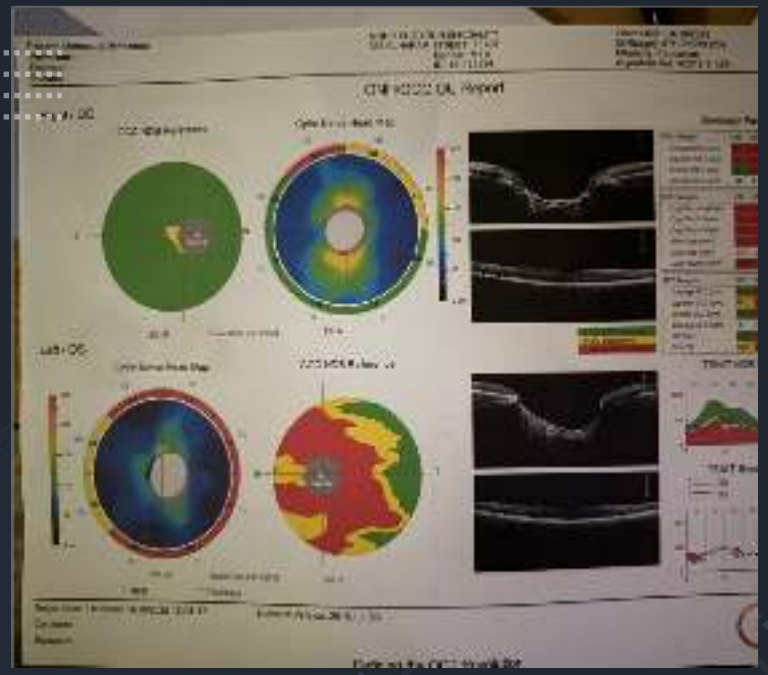
What about deep sclerctomy

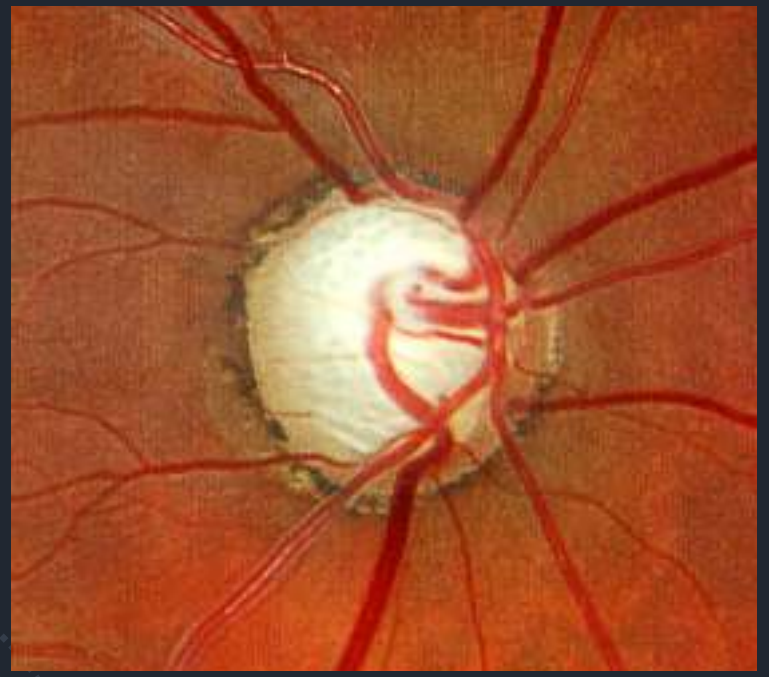
- Non penetrating glaucoma surgery
- Non bleb forming
- Filtration through trabeculo-descmmet,s window(controllable).
- Depends upon intrascleral and suprachoroidal filtration.

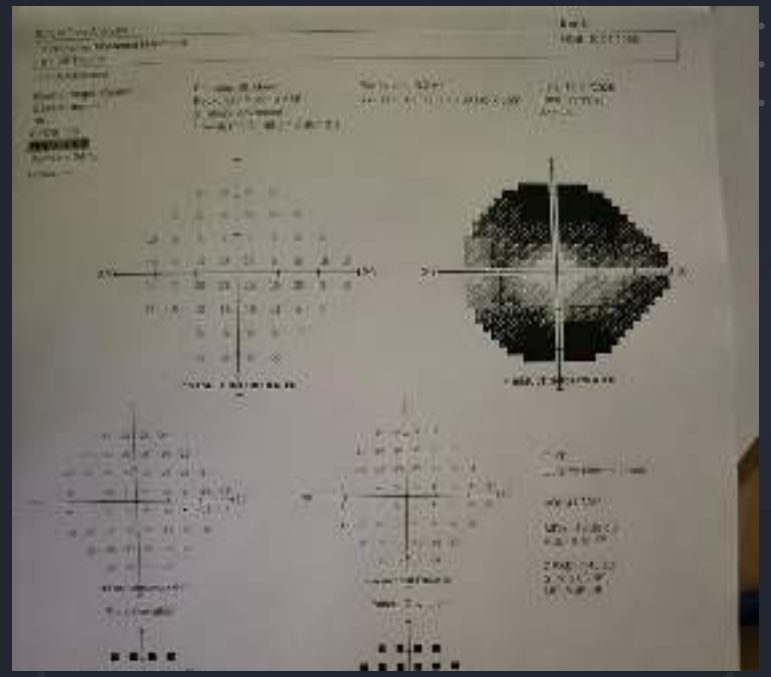
Why? Deep sclerectomy

- Less complications:
- Hypotony
- Cataract progression
- Bleb complications
- Safer in advanced cases.
- Less incidence of endophthalmitis.
- Faster recovery of visual acuity









Advanced glaucoma cases

- we are searching for
- Effective and safe maneuver(wipe out and cataract progression)

Efficacy

Deep sclerectomy alone promotes moderate reduction of IOP

SO

Augmentation is mandatory in advanced cases

XEN-Augmented Deep Sclerectomy: Step-by-step Description of a Novel Surgical Technique for the Management of Open-angle Glaucoma

Journal of Current Glaucoma Practice

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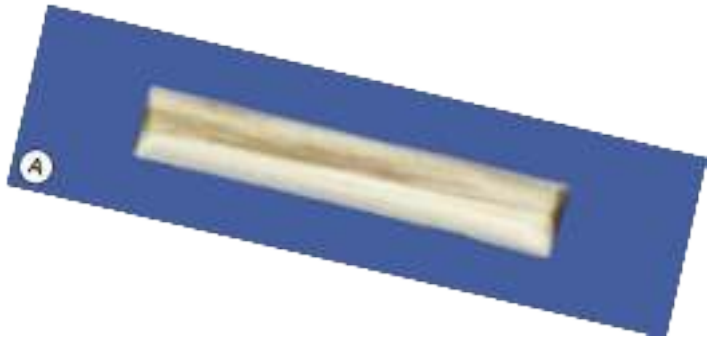
How to augment its effect

- MMC
- Scleral implants
- Combined
- Combination with other operations



Implants with variable results

RIO over years experience MMC with amniotic membrane

- Antimetabolite
- Anti-inflammatory

Phacoemulsification combined with deep sclerectomy augmented with mitomycin and amniotic membrane implantation in chronic primary open angle glaucoma with cataract

Hazem Helmy [1]

Affiliations + expand

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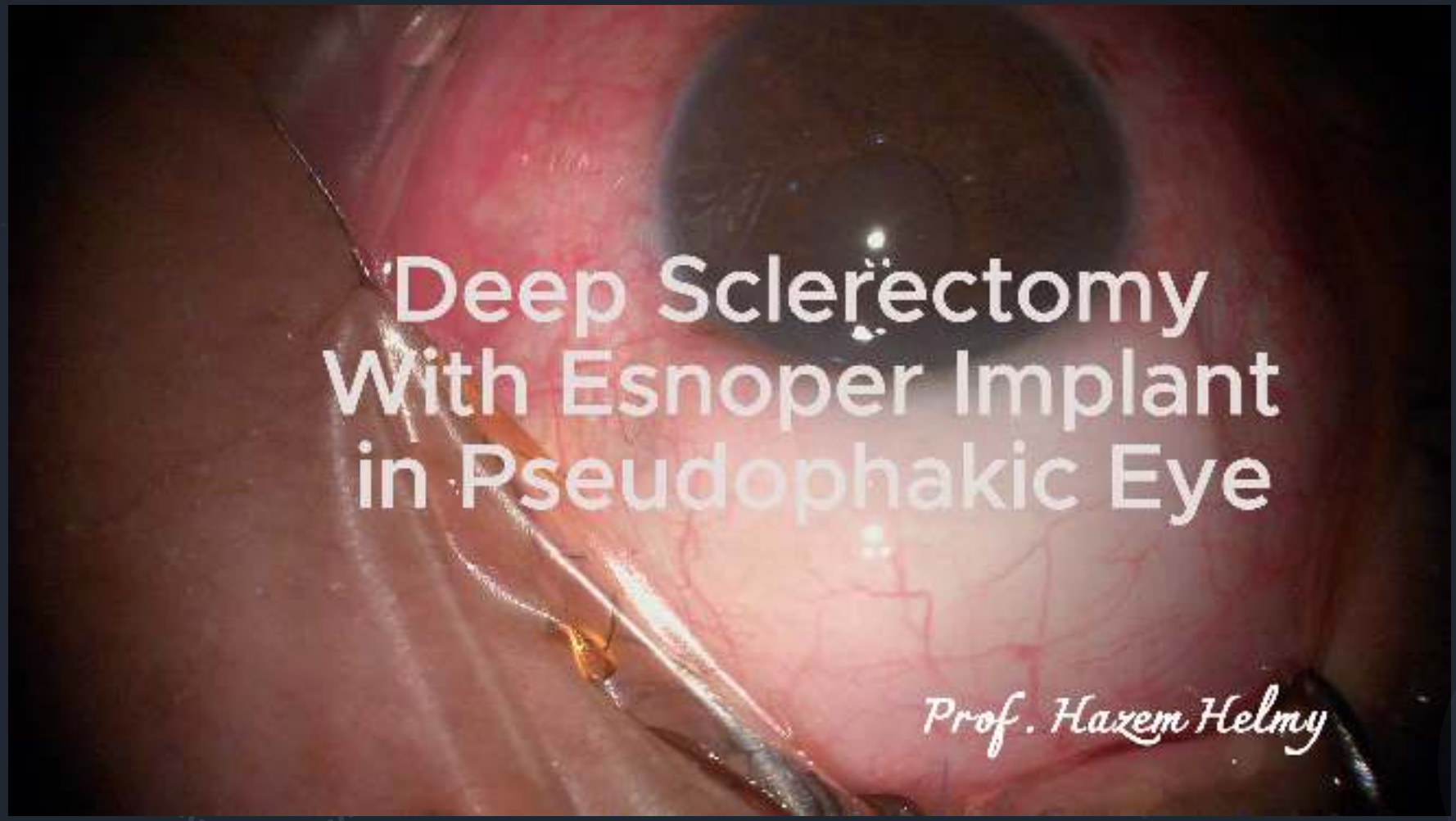
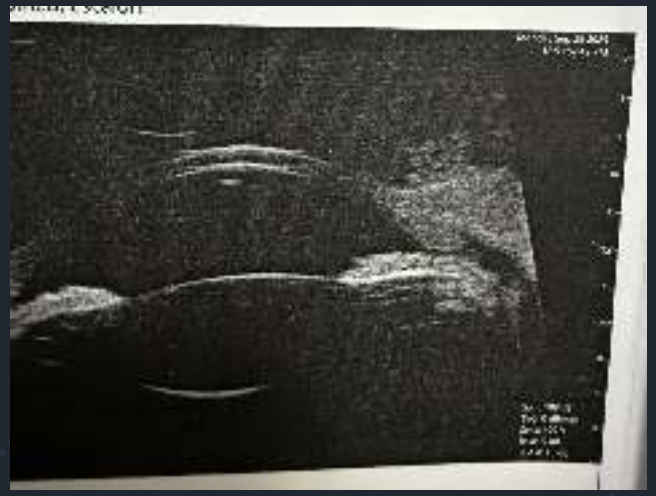
Current and recent approach

- Deep sclerectomty augmented with MMC and Hydroxy methyl acrylate (HEMA) implant ,tenonectomy.

- **I have no financial, commercial, or personal relationships that could be perceived as a potential conflict of interest**

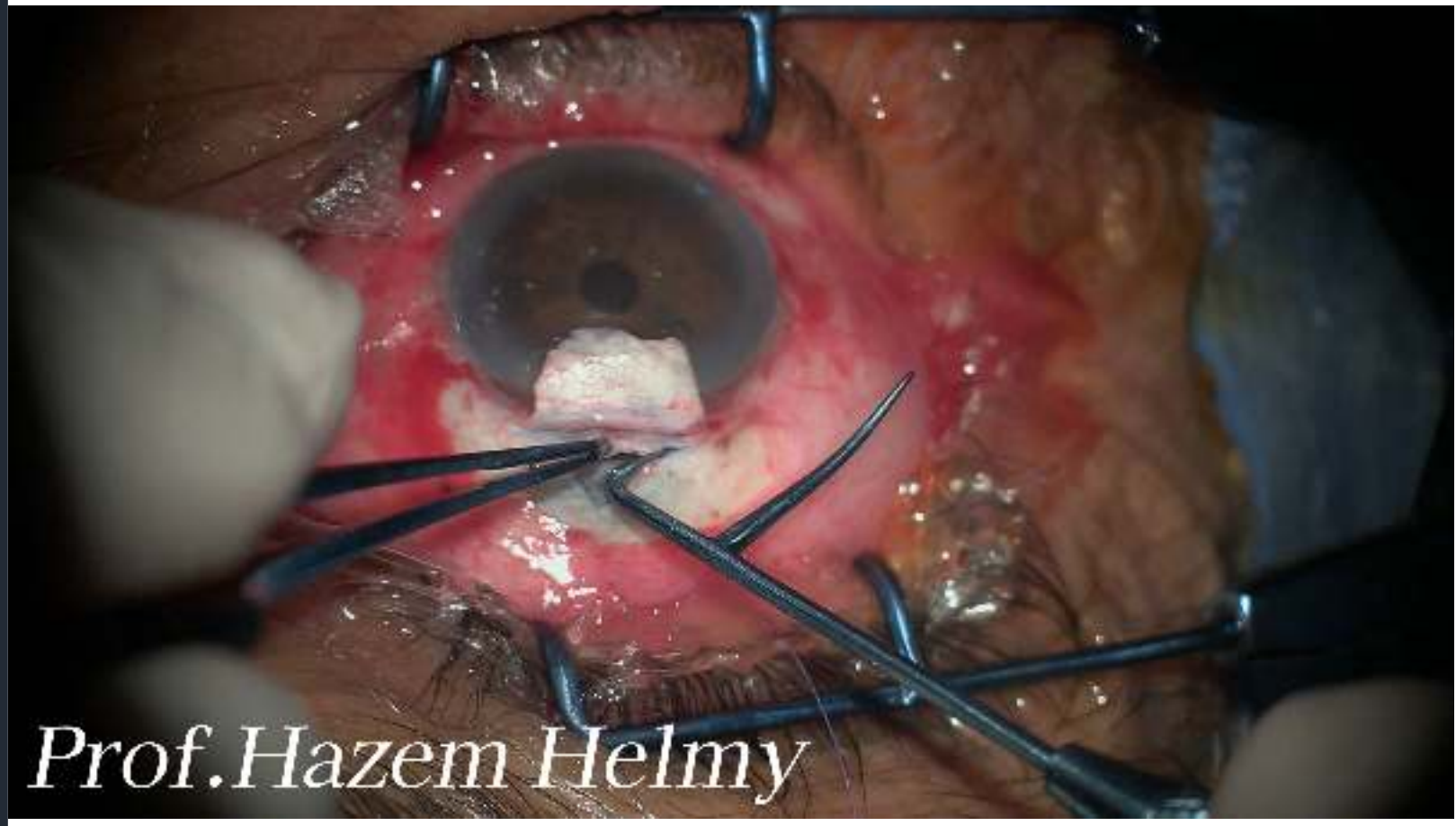

Deep Sclerectomy
With Esnoper Implant
in Pseudophakic Eye
Prof. Hazem Helmy



OUTCOME

- IOP 10 MMHG without treatment
- Rapid rehabilitation
- Preserved advanced optic nerve.

Combined with trabeculotomy



conclusion

- Augmented deep sclerectomy is a good option in advanced glaucoma cases
- MMC application, tenonectomy and scleral implant adds highly valuable benefit .
- The success of this procedure highly depends on accuracy and professional technique
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Thank you