

**19TH ANNUAL CONGRESS OF THE
EGYPTIAN SOCIETY FOR THE
Glaucomas ESG 2019**

Laser PI is Not Enough for PAC and PACG

Mohamed Saad, MD, PhD
Professor of Ophthalmology
Ophthalmology Department – Alexandria University

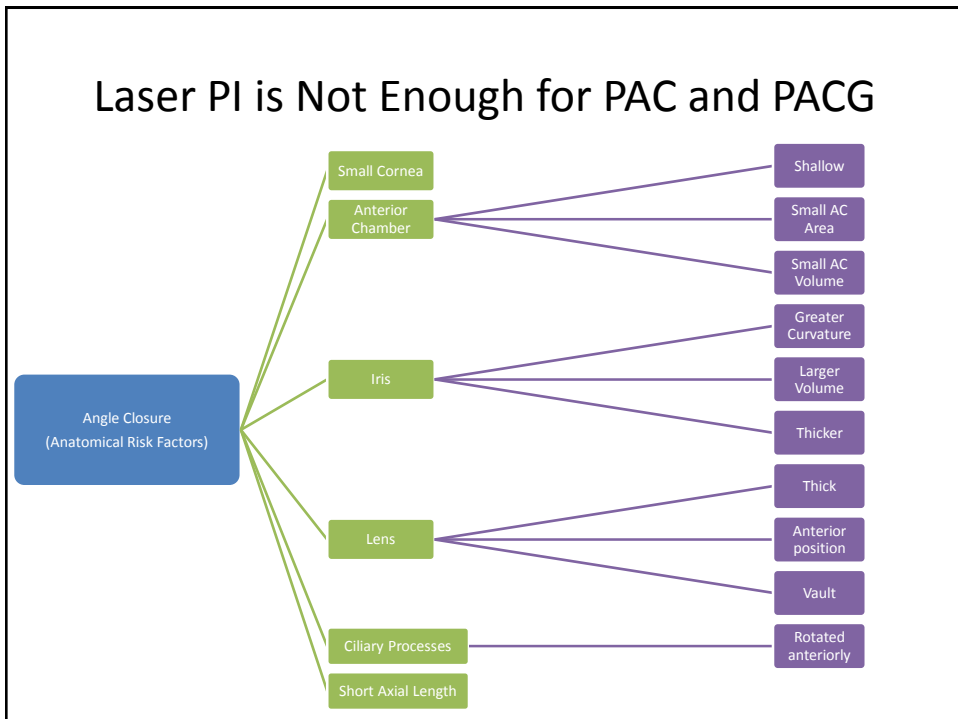
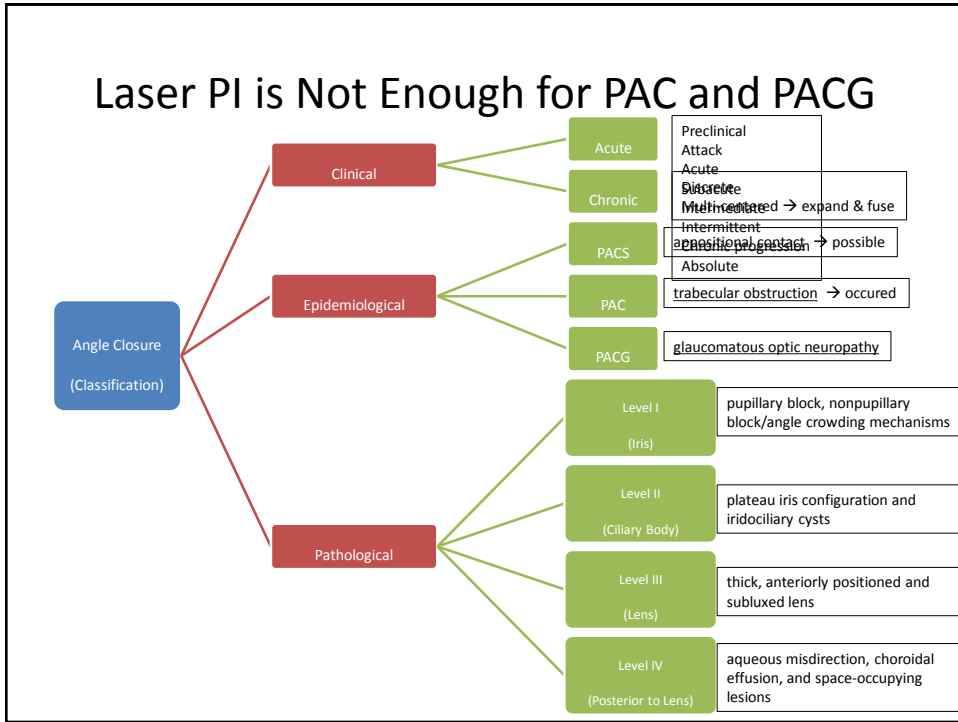
Nader Bayoumi, MD, PhD, FRCS (Glasgow)
Professor of Ophthalmology
Ophthalmology Department – Alexandria University

Financial Disclosures: None

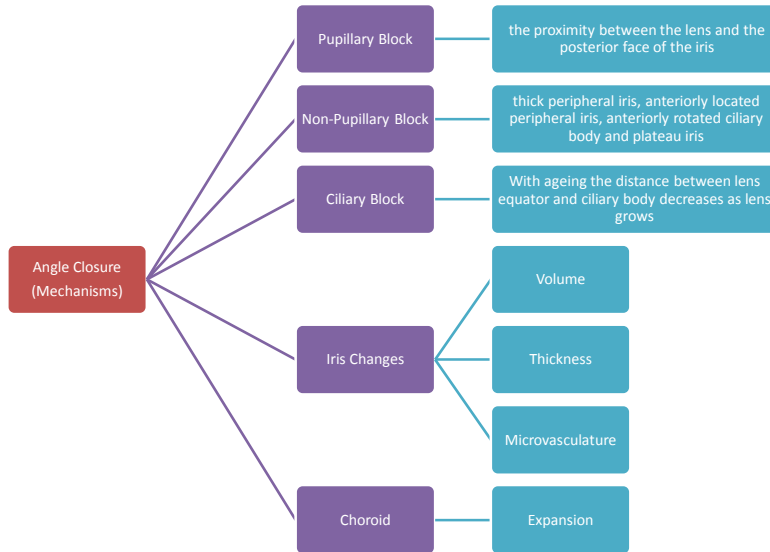
Laser PI is Not Enough for PAC and PACG

- Overview

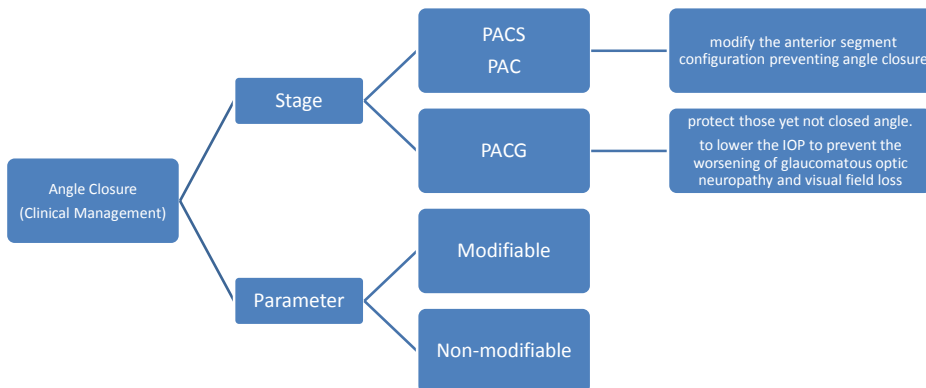
- What is the spectrum of angle closure ? (Classification (clinical, Epidemiologic, Pathologic))
- What makes more eyes prone to angle closure? (Anatomical risk factors)
- How does angle closure happen? (Mechanisms)
- What is the treatment of angle closure? (Treatment options)



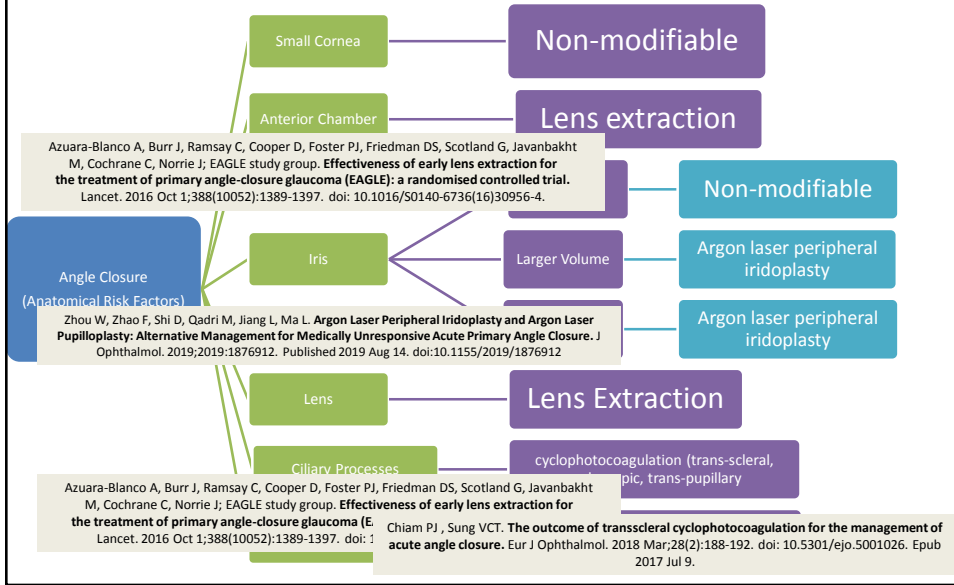
Laser PI is Not Enough for PAC and PACG



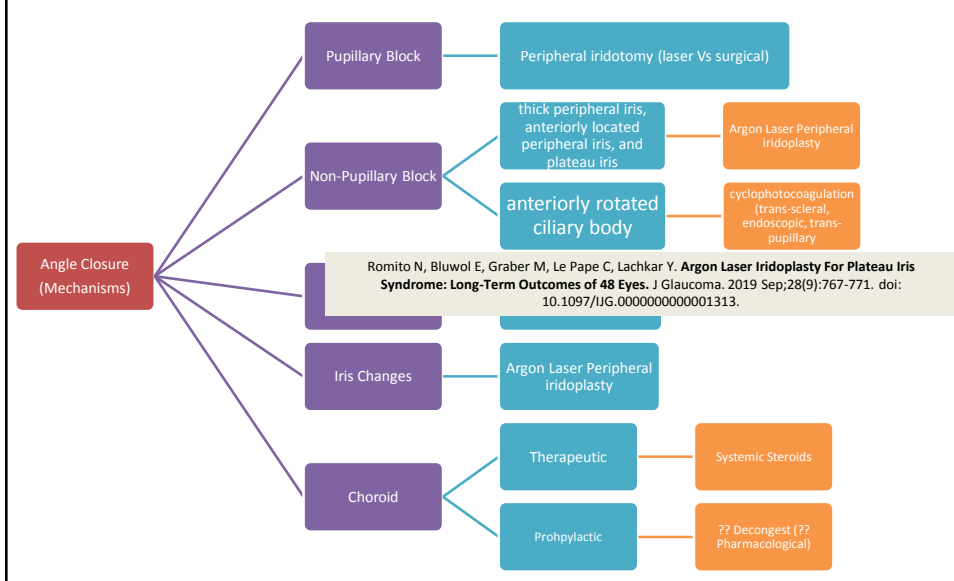
Laser PI is Not Enough for PAC and PACG



Laser PI is Not Enough for PAC and PACG



Laser PI is Not Enough for PAC and PACG



Laser PI is Not Enough for PAC and PACG

PACG: PAC together with evidence of glaucomatous optic neuropathy →

- Filtering surgery (trabeculectomy) (± antimetabolites)
- Filtering surgery in combination with →
 - lens extraction (phacoemulsification)
 - angle surgery (trabeculotomy)
 - Goniosynechiolysis
- Selective laser trabeculoplasty

El Sayed YM, Elhusseiny AM, Albalkini AS, El Sheikh RH, Osman MA. **Mitomycin C-augmented Phacotrabeculectomy Versus Phacoemulsification in Primary Angle-closure Glaucoma: A Randomised Controlled Study.** *J Glaucoma.* 2019 Aug 29. doi: 10.1097/IJG.0000000000001245

Elwehidy AS, Bayoumi NHL, Badawi AE, Hagraas SM, Kamel R, MD, PhD. **Combined phacoemulsification-viscosynechiolysis-trabeculotomy versus phacotrabeculectomy in** Kuryshcheva NI, Lepeshkina LV, Shatalova EO. **Predictors of Outcome in Selective Laser Trabeculoplasty: A Long-term Observation Study in Primary Angle-closure Glaucoma After Laser Peripheral Iridotomy Compared With Primary Open-angle Glaucoma.** *J Glaucoma.* 2018 Oct;27(10):880-886. doi: 10.1097/IJG.0000000000001048.

Take Home Message

- There are multiple mechanisms underlying angle closure
- Each mechanism dictates its own therapeutic approach
- Tailoring of treatment to every eye is mandatory for an optimum outcome

Thank You