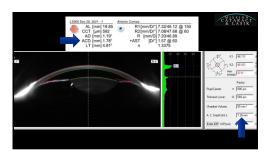


		CATARACT ATARACT
Company	Role	Received
Biotissue	Consultant/lecturer	Honoraria
Carl Zeiss Meditec	Consultant/lecturer	Honoraria
Johnson & Johnson	Consultant/lecturer	Honoraria
LensAR	Consultant	Honoraria
Lumenis	Consultant	Honoraria
myODcoach	Founder	Honoraria
Novartis	Consultant	Honoraria
Glaukos/Glaukos corneal health	Consultant/lecturer	Honoraria
Ocular Therapeutix	Consultant/Research	Honoraria/Research
		Support
Sight Sciences	Consultant/Lecturer/Research	Honoraria/Research
		Support
Quidel	Consultant	Honoraria
	•	





o When poll is action, respond a poller, com/loabysaenz371
grant BOBBYSAENZ371 to 22333 once to join

If this were your eyes, then you would recommend...

Iridoplasty

Iridodectomy

Two Pls

Phaco

Pilocarpine qhs

Primary Angle Closure Disease: Definitions

• Primary Angle Closure suspects (PACS): >180 degrees of indotrabecular contact, normal IOP, and no optic nerve damage

• Primary Angle Closure (PAC): >180 degrees of inidotrabecular contact with PAS or elevated IOP and no optic nerve damage

• Primary Angle Closure Glaucoma (PACG) >180 degrees of

iridotrabecular contact with PAS, elevated IOP, and optic nerve

6

8

Primary Angle Closure Disease: Definitions cont.

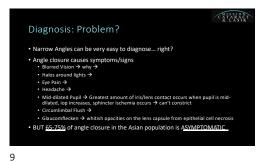
Acute Angle Closure Crisis (AACC): symptomatic high IOP with closed angle

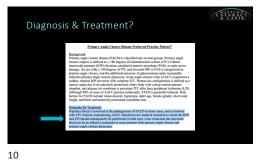
Plateau Iris Configuration: narrow angle due to anteriorly positioned ciliary body with deep central anterior chamber

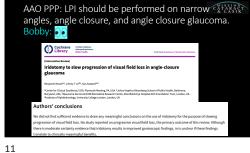
Plateau Iris Syndrome: narrow angle due to anteriorly positioned ciliary body with deep central anterior chamber, and any ITC persisting after patent peripheral iridotomy

PROBLEM

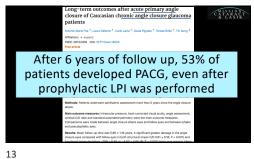
Primary Angle Closure Glaucoma (PACG) causes blindness.
How much?
By 2040, thought that 32 million people are projected to have PACG and 5 million could become blindness worldwide
PACG is a LARGE cause of blindness worldwide
Where is problem?
Diagnosi?
Treatment?











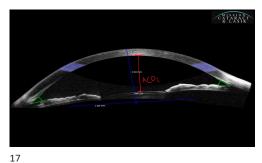
CATARAET The Problem with Angle Closure? • Do patients know they have it? • Do doctors know how best to treat it? So for us: 1. How do we recognize angle closure and those who could develop angle closure? 2. How do we treat these patients best?

14



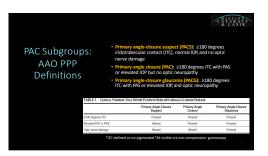
Other ways to describe "smaller" eyes Table 15-1 Central anterior chamber depth and angle-closure glaucoma in a group of Eskimos Shallow peripheral anterior chamber depth (PACD) Anterior Chamber Depth (mm) Increased anterior curvature of the lens Small corneal diameter

15 16

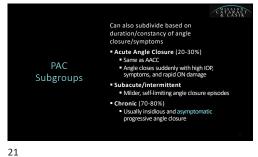


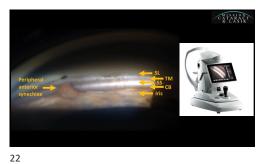


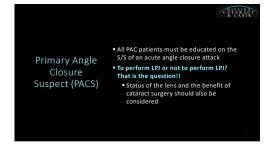
Angle Closure Signs/Symptoms Blurred Vision → why →
Halos around lights →
5 pe Pain →
Headache →
Mid-dilated Pupil → Greatest amount of iris/lens contact occurs when pupil is mid-dilated, lop increases, sphincter ischemia occurs → can't constrict
Groumlimbal Flush →
Glaucornflecken → whitish opacities on the lens capsule from epithelial cell nerrosis.

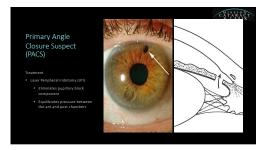


19 20









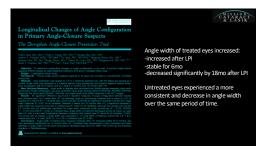


If we had 900 narrow angle patients, how many of them would go into angle closure?

26

If we had 900 narrow angle patients, and yes iridotomy, how many would go into angle closure?

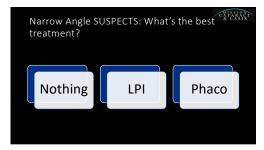
Primary Angle Closure r peripheral iridotomy for the prevention of e closure: a single-centre, randomised colled trial Incidence of angle-closure disease was very low among individuals classified as primary angle closure suspects identified through community-based screening. Laser peripheral indotomy had a modest, abeit significant prophylatic leffect. In view of the low incidence rate of outcomes that have no immediate threat to vision, the benefit of prophylactic laser peripheral indiotomy is limited; therefore, widespread prophylactic laser peripheral indiotomy is limited; therefore, widespread prophylactic laser peripheral indiotomy for primary angle-closure suspects is not recommended.



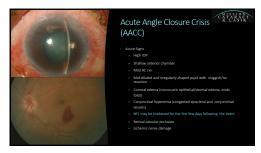
The Singapore Asymptomatic Narrow Angles
Laser Iridotomy Study Five-Year Results of a Randomized Controlled Trial Marii Baskeran, MD, PBD, ^{1,2,8} Rajesh S, Kuenar, MS, ³ David S, Friedman, MD, PBD, ⁴ Qing-Shu Lu, PAD, ^{4,5} few-Tym Weng, FBCS, ³ Paul T, K, Cheus, FBCS, ⁵ Rajekawa, Lournyu, MMed, ⁴Anna Nunsyanamuamy, FBCS, PA Ramiria A, Penna, FBCO, Palk, ⁴ Paul J, Fuster, FBCS, PBD, ⁷ In Aung, FBCS, PBD, ⁸

29 30



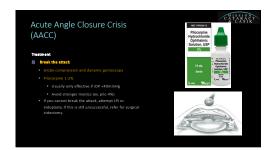


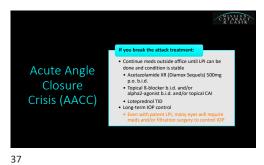
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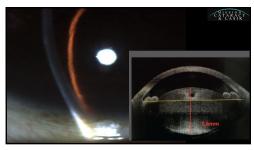


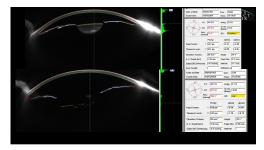














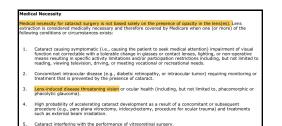
Predictors of long-term intraocular pressure control after lens extraction in primary angle closure glaucoma: results from the EAGLE CATARAÇT Methal Patients with primary angle closure glaucoma/PAC are 10 times more likely to maintain drop-free good IOP control with initial CLE surgery than LPI. Results A total of 369 patients (182 in CLE arm and 187 in LPI arm) completed the 36-month follow-up examination. After CLE, 90% met our predefined 'good response' criterion compared with 67% in the LPI arm, and 66% met 'optimal response' criterion ompared with 18% in the LPI arm, with significantly longer drops/surgery-free survival time (p<0.05 for all). Patients randomises of CLE (OR=10.1 (6.1 to 16.8)), Chinese (OR=2.3 (1.3 to 3.9)), and those who had not previously used glaucoma drops (OR=2.8 (1.4 to 3.9)). o 4.8)) were more likely to maintain long-term optimal IOP response over 36 months. Conclusion Patients with primary angle closure glaucoma/PAC are 10 times more likely to maintain drop-free good IOP control with initial CLE surgery than LPI. Non-Chinese ethnicity, higher baseline IOP and using glaucoma drops prior to randomisation ar predictors of worse long-term IOP response.

42



Chronic Angle Closure · Major cause of blindness in Asia Most often develops because of a chamber angle that gradually closes leading to a gradual rise in IOP "creeping angle closure"
 Typically accompanied by slow formation of PAS, which advance circumferentially
 Usually asymptomatic unless significant VF loss has occurred Over time IOP may rise substantially and be difficult to control
May also develop after prolonged acute angle closure or multiple episodes of subclinical attacks
 Important to distinguish from OAG - DO GONIO!! - Clinical course resembles that of OAG in its lack of symptoms,
- initial modest elevation of IOP, progressive glaucomatous optic nerve damage, and
- characteristic VF loss
- Characteristic VF loss
- Characteristic VF loss

43 44

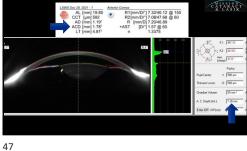


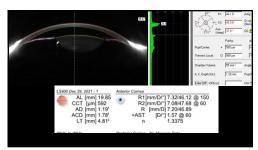
Intolerable anisometropia or aniseikonia uncorrectable with glasses or contact lenses exists as a result of lens extraction in the first eye (despite satisfactorily corrected monocular visual acuity)

45

CATASIA 30 year old monocular patient • OD 20/200 due to ROP • IOP 16mmHG • Episodes of blurred vision at night occasionally, one time on a plane at • IOP after dilation 36

46

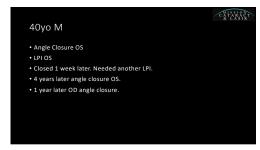






Complete Anterior Capsule Phimosis following Cataract Surgery in a Patient with a History of Retinopathy of Prematurity, Nystagmus, and a Narrow Angle William K. Wong Jr.^{a, b} Malcolm R. Ing^{a, b} Carlthan J.M. Ling^c *Division of Ophthalmology, Department of Surgery, John A. Burns School of Medicine, University of Hawaii, Honolulu, HI, USA; *Hawaii Wision Clinic, Honolulu, HI, USA; *John A. Burns School of Medicine, University of Hawaii, Honolulu, HI, USA

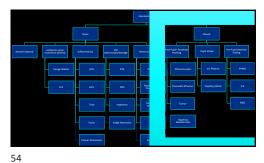
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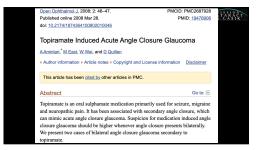


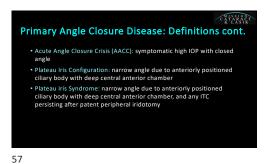
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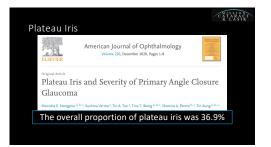






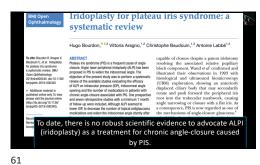






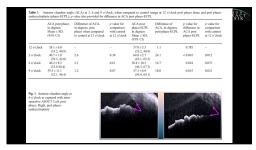


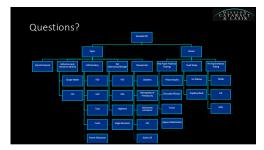




LETTER TO THE EDITOR (CrossNa Intra-operative ASOCT determined changes in angle recess in plateau iris syndrome post phaco alone and post phaco-endocycloplasty Only the combination of endocycloplastsy with phaco is capable of delivering an anatomic change in the angle in Plateau Iris Syndrome

62





63 64