

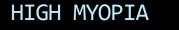
HIGH MYOPIA EXTREME, PATHLOGICAL, MALIGNANT

► <u>AX. LENGTH</u>. MORE THAN 26.5 mm ► ERROR: MORE THAN :

- -6.00 dpt. in adult
- -4.00 dpt. in children less than 5ys.

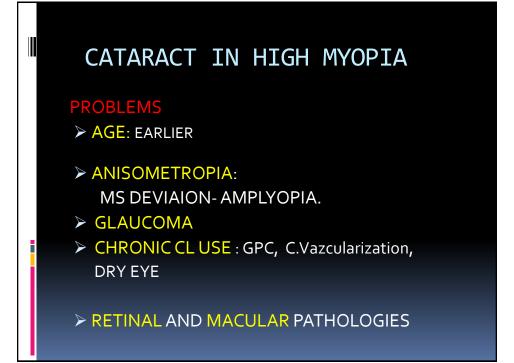


EverydayFururyFurury



HIGH-EXTREME.PATHLOGICAL, MALIGNANT;

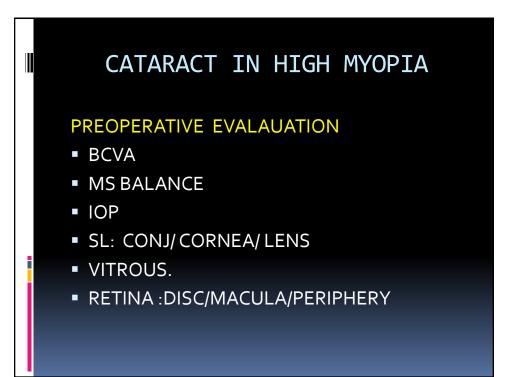
- > POST POLE ABNORMALITIES:
- Temporal peripapillary atrophic crescent, Hage & tilting of optic disc
- Tessellated fundus.
- posterior staphyloma
- Lacquer cracks ,diffuse atrophy, patchy atrophy.
- CNM, macular atrophy ,mac. Hole, Fuch's spot .



CATARACT IN HIGH MYOPIA LENS OPACITY.

- > HIGH MYOPIA IS KNOWN TO BE ASSOCIATED WITH CATARACT.
- Increases risk of posterior sub capsular cataract, an important predictor of cataract surgery.

Myopia and Incident Cataract And Cataract Surgery. The blue Mountain Eye Study Christine Y. et al. Invest. Ophthalmol.Vis.Sci DEC.2002. 43no 12: 3625-3632

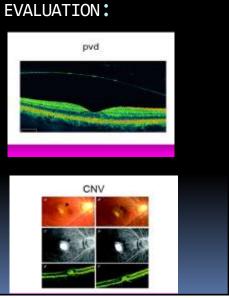


CATARACT IN HIGH MYOPIA PREOPERATIVE EVALUATION:

TOPOGRAPHY:

astigmatism management, KCC

- USG:
 PVD, post staphyloma.
 Axial length, ACD
- FFA: CNVs, Mac. scar.
- OCT: PVD, ERM,F. SCHESIS.CNM
- BIOMETERY:



CATRACT IN HIGH MYOPIA PREOPERATIVE EVALUATION:

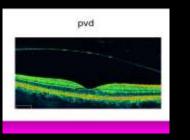
- TOPOGRAPHY: astigmatism management, KCC
- USG:

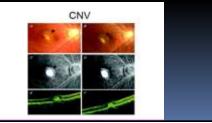
PVD, post staphyloma. Axial length, ACD

FFA:

CNVs, Mac. scar.

- OCT:
 - PVD, ERM, F. SCHESIS.CNM
- BIOMETERY:





CATARACT IN HIGH MYOPIA

BIOMETERY:

>LONG EYES MAY HAVE NORMAL SIZED ANT.SEGMENT.!!!

- IOL MASTER: most accurate.
- A SCANE :

WHICH FORMULA :

- SRK-T.
- Holladay 2 (needs WTW diameter.)

CATRACT IN HIGH MYOPIA PROPHLACTIC ARGON LASER OR CRYO

ACTUAL LESIONS

- LATTICE WITH HOLES.

= SYMPTOMATIC HORSE SHOE BREAKS! BUCKLE !

<u>360 DEGREE.</u>

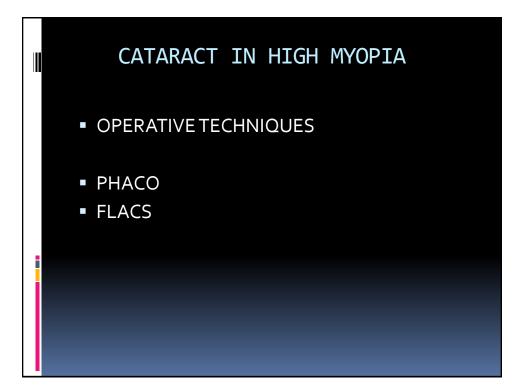
<u>NOTTT:</u>

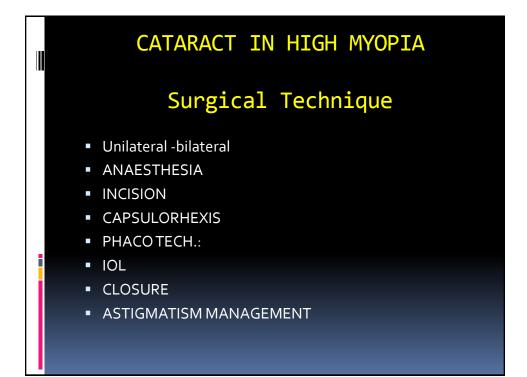
-TTT MAY LEAD TO PVD, ERM . -NEW H/S BREAKS MAY OCCUR POST TO TTT OR EVEN TO ENCIRCLING BUCKLE .

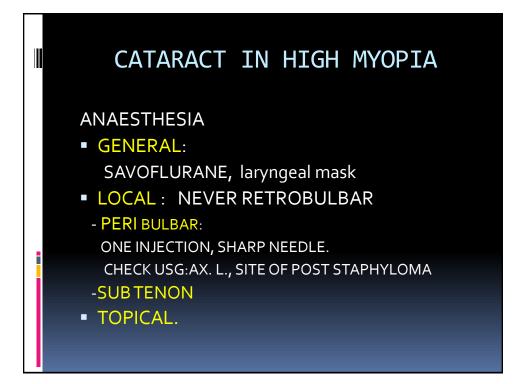
CLOSE POST OP F/U

Lattice Degeneration

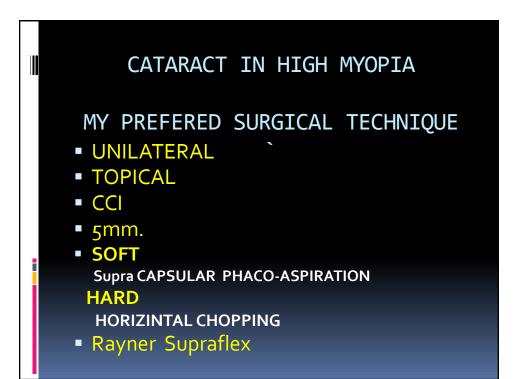








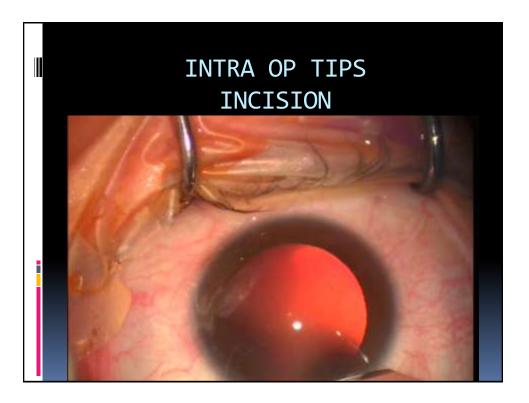
WHICH IOL!! LARGE BAG	
OPTIC DIAMETER:	6mm +.
• MATERIAL: SOFT	Acrylic
• EDGE DESIGN: ANT.:	
 POST 	.: SQUARE.
OPTIC DESIGN:	BICONVEX.
NEVER - 5 mm PMMA	DECENTRATION – PCO
SILCON	
INTENDED POST OP. REFRACTION	

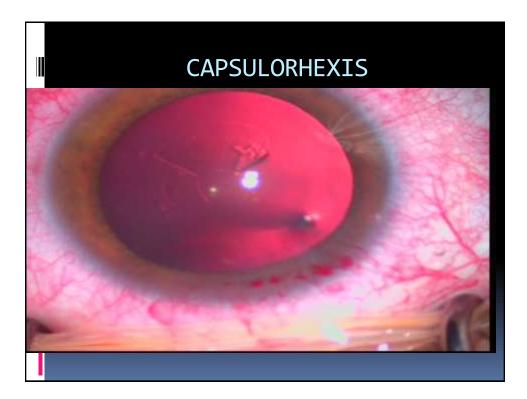


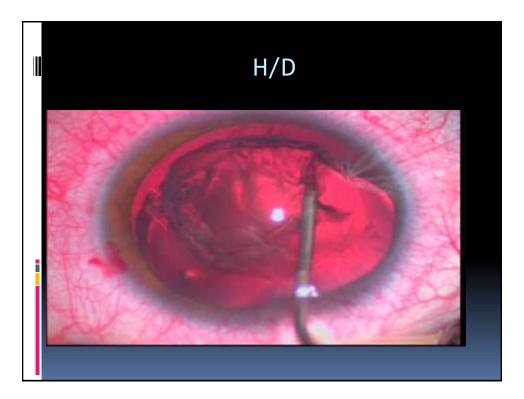
FOLDABLE RAYNER SUPRAFLEX

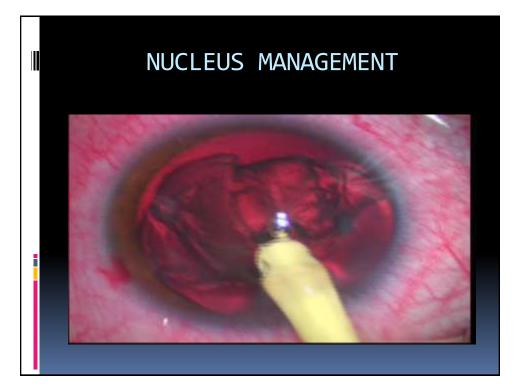
- AVH TECHNOLOGY.
- HYDROPHILIC ACRYLIC
- BICONVEX.
- ASPHERIC.
- UPTO -10 dpt
- AMON-APPLE ENHANCED
 SQUARE EDGE.
- 6.25 mm
- LEAST SILCON OIL DROPLET ADHERENCE

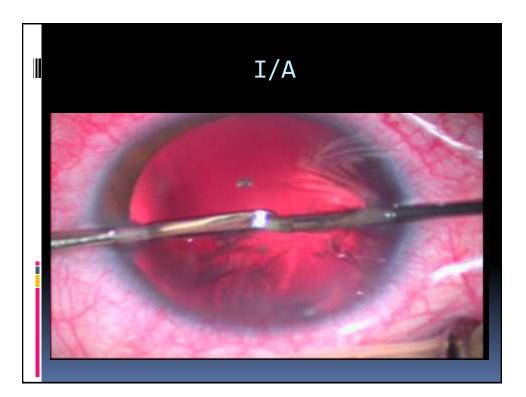


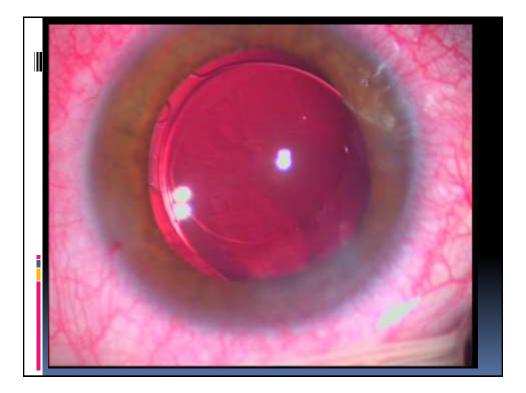










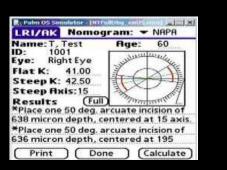


CATARACT IN HIGH MYOPIA

ASTIGMATISM MANAGEMENT

LRI:

- RANGE: 1.5 3.00 D.
- PLACED 1.5 mm to limbus
- Use nomogram.





CATARACT IN HIGH MYOPIA

ASTIGMATISM MANAGEMENT

<u>OCCI :</u>

Corneal astigmatism correction with opposite clear corneal incisions or single clear corneal incision: Comparative analysis

 Journal of Cataract & Refractive Surgery

Volume 32, Issue 9, Pages 1432-1437, September 2006

Sudar Khoshankhar, MD, Pavan Lohiya, MD, Vanathi Murugiesan, MD, Anita Panda, MD:



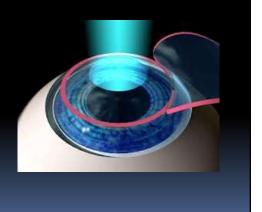
CATARACT IN HIGH MYOPIA

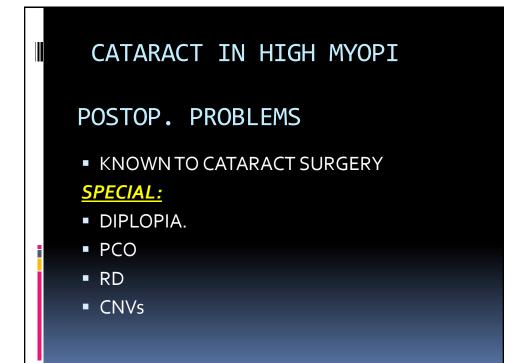
ASTIGMATISM MANAGEMENT

<u>LVC</u>

- HIGH DEGREES
- 2-3 M POST OP.
- PRK-LASIK
- GOAL TO END UP WITH IS

0.5-0**,**75 D





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<u>RD</u>:

- 1-8 % .
- VITRUOS MOBILITY, PVD, RET. BREAKS
 RISK IS DECREASED WITH
- •New cataract techniques & IOLS.
- Careful preop. And post op. fundus exam.& TTT of any lesions.
- Patients education of symptoms of PVD

 POSTOPERATIVE PROBLEMS PCO
 POST CAPSULOTOMY:
 DEC. HYALURONIC ACID. CONCENTRATION
 SURGIGAL:
 WHEN !
 INTRAOP., POSTOP.
 YAG:
 MAGEN
 SHOCK WAVES, SYNCHESIS, SYNRESIS
 WHEN, TECHNIQUE, RISK OF RD

