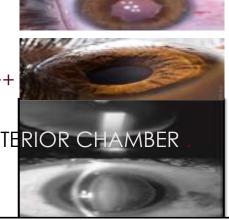


TRAUMATIC An obvious signs may include:

- ► SPHINCTER TEAR.
- phacodonesis.
- ► ANGEL RECESSION _ _ _ _ IOP ++
- ► HYPHEMA
- ▶ VITREOUS PRESENTATION IN THE ANTERIOR CHAMBER
- ▶ POST-SEGMENT ISSUE; RD, VIT. HGE,
- ▶ BERLIN'S EDEMA ,ECT.



Intraoperative signs of broken zonules:

Difficulty or Radial folds when puncturing the anterior capsule

Excessive movement of the lens or the nucleus during the hydrodissiction procedure.

Difficulty of nuclear rotation.

Posterior displacement of the lens on starting the infusion.

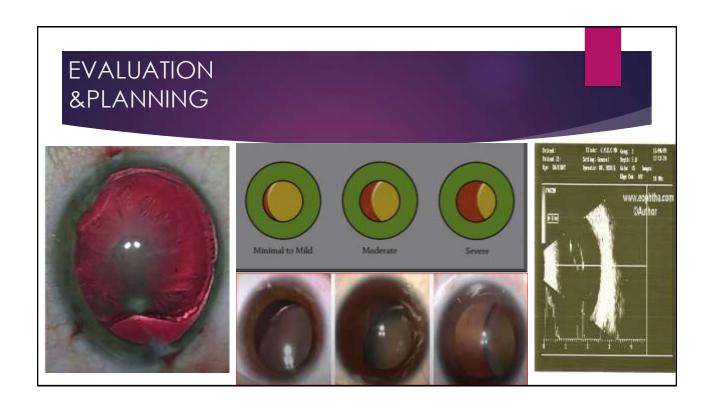
Vitreous herniation around the lens.

WHEN TO INTERFERE

- = Cause for decrease VA
- <u>Fluctuating vision</u> dramatically as the vision may alternate <u>between phakia and aphakic</u>
- <u>Progressive movement of the lens</u>-Extreme hyperopic or myopic shift +/- astigmatism.
- · Monocular diplopia.
- Poor near vision (loss of accommodative power).

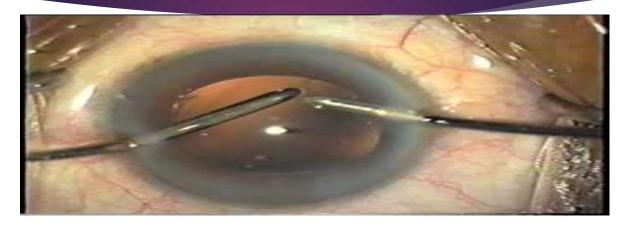
WHY TO INTERFERE = TO AVOID: Surgical treatment is also advisable if there is

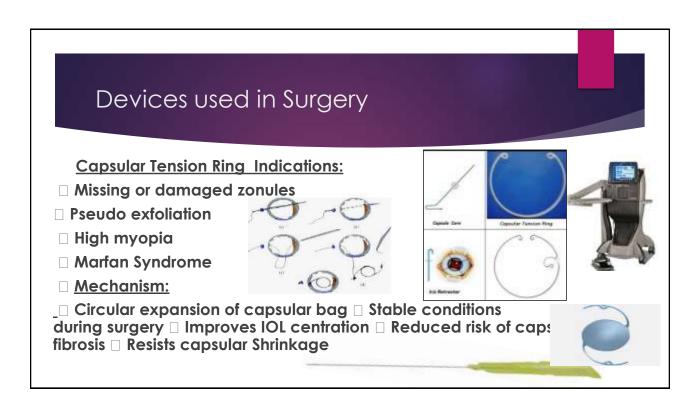
- ▶ 1. Progressive subluxation.
- ▶ 2. Lens bisects pupil.
- ▶ 3. Threatened posterior or anterior dislocation.
- ▶ 4. Poor visual acuity in an older child or adult. attributable to subluxated lens.
- ▶ 5. Pupillary block glaucoma.
- ▶ 6. Forwards displacement-Endothelial damages ,etc.
- ▶.Ac angle closure

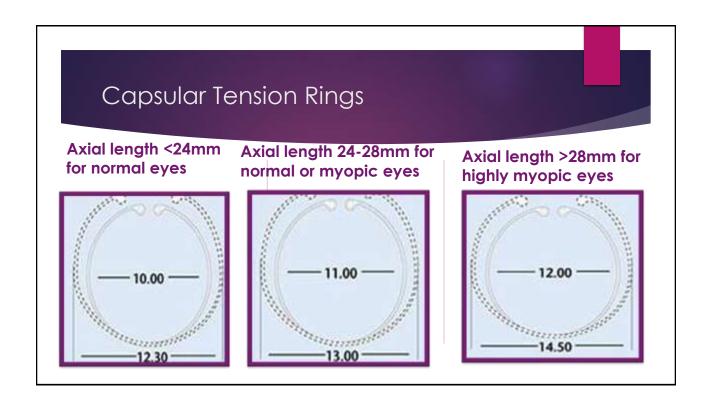


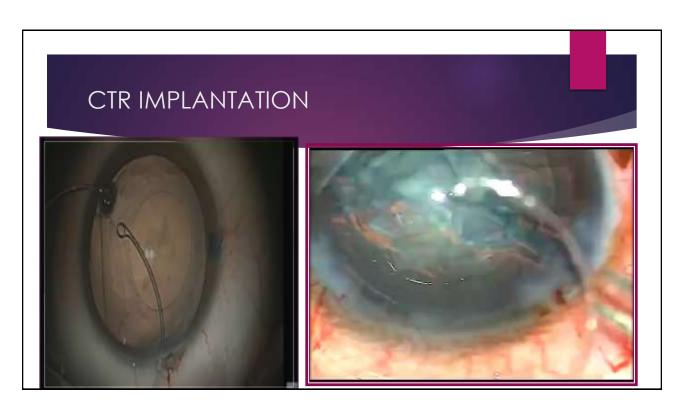


Difficulty on polishing of posterior capsule









Contraindications of CTR implantation

- ► Anterior capsular tear
- ▶Posterior capsular tear
- ►Incomplete rhexis
- ► Sever subluxation
- ▶ Progressive zonulopathy

Cionni Ring

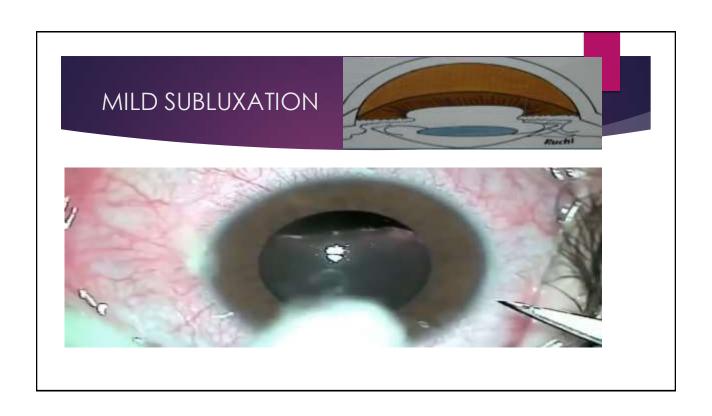
- Designed for scleral fixation with suture
- ▶ □ One or two hooks extending from the ring, an eyelet located on the hook located behind the iris just in front of anterior capsule
- ► □ The sutured eyelet anchors the ring to sclera in the area of missing zonules
- ► ☐ Most frequent complication posterior capsule opacification (PCO) 20%

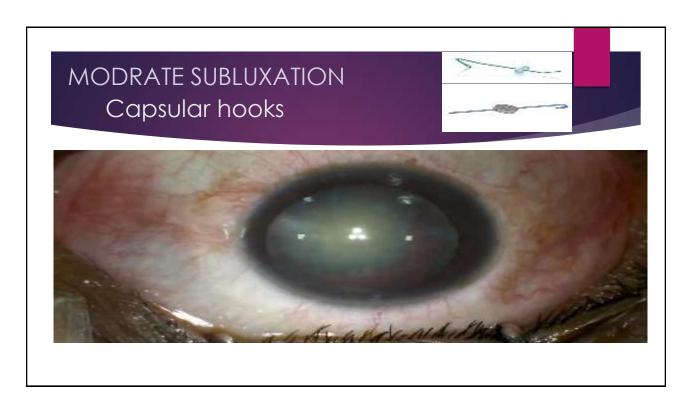




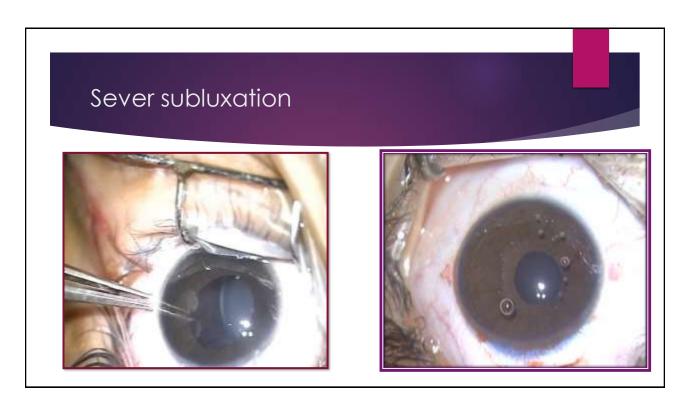














TAKE HOME MASSAGE

Lens subluxation need meticulous pre op evaluation

To reduce zonular stress during surgery always pull toward, not away from, weakened zonules

Zonular stress is minimal when lens material is separated from the capsule. Complete hydro dissection is essential

A capsular tension ring alone is not sufficient if the zonular defect is larger than 5h

Surgical plane for subluxated lens should be individualised.

