

MANAGEMENT OF SUBLUXATED LENS

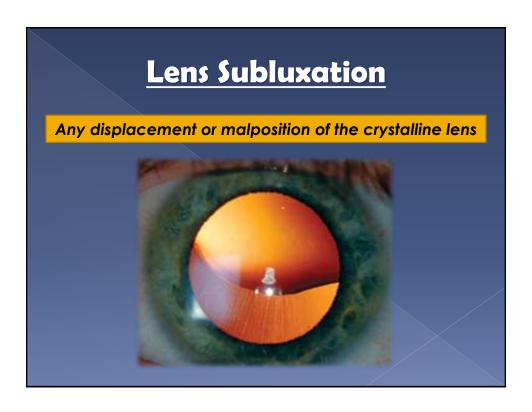
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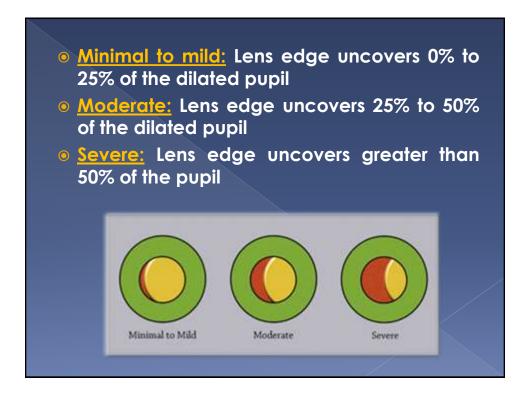
Research institute of ophthalmology (RIO)

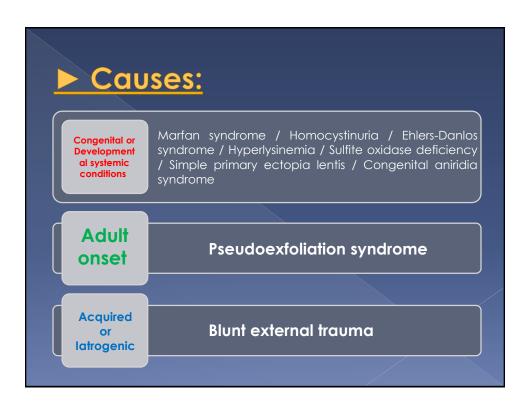
Management of lens subluxation is one of the most challenging anterior segment situations that the surgeon may encounter starting from clinical evaluation to surgical approach ..









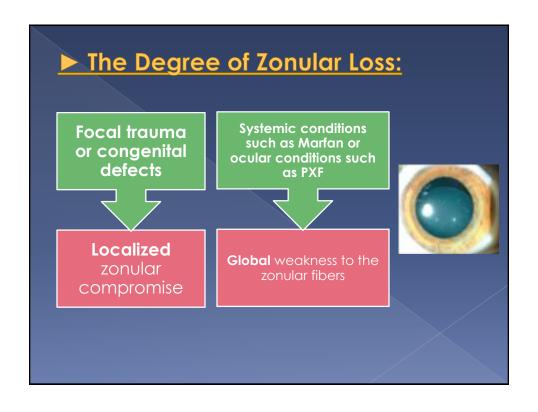


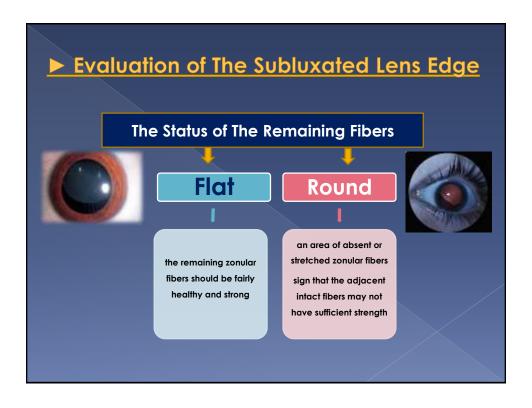


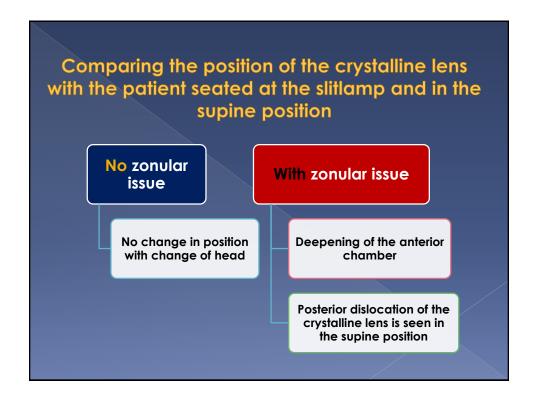
- Family History
- Relevant Trauma
- Onset and types of visual symptoms:
 (Decrease of visual acuity, Monocular diplopia, Poor near vision)
- Pediatric patients most likely to have metabolic disorders.
- Adult patients mostly will present with Marfan Syndrome.

Ophthalmic Examination

- 1. Degree of zonular loss
- 2. Evaluation of subluxated lens edge
- Comparing between slit lamp and supine position
- 4. Ultrasound biomicroscopy

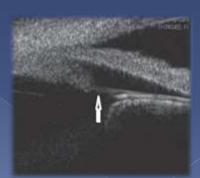






<u>Ultrasonic Biomicroscopy (UBM)</u>

- assessing the degree of zonular compromise.
- Simulating the condition of the crystalline lens during the surgical procedure.



- In cases of trauma, the lens capsule should be examined for evidence of damage or puncture
- Prolapsed vitreous
- Increased top in cases of pxf or trauma (recession)
- Posterior segment for break or tear deal with it first.

Surgical Approach

► Planning:

- zonular abnormality is less than 3 contiguous clock hours.
- A posttraumatic eye has a small focal area of dialysis.

No Capsular tension ring needed







Steps to be considered are:

- Capsulorrhexis
- 2. Stabilization of the bag
- 3. Choice of CTR
- 4. Phacoemulsification
- 5. Iol implantation



Take home message

- A decision of using CTR should be done during examination not in OR.
- Be always prepared for greater damage
- Place the CTR as late as you can and as early as you must.

