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Hereditary Lens Subluxation.... A New Management Era

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- I would like to thank Prof. Dr. Ahmed Samir (Professor of Ophthalmology, Zagazig University) for teaching me this great technique.



Surgical management of hereditary lens subluxation

- Lensectomy

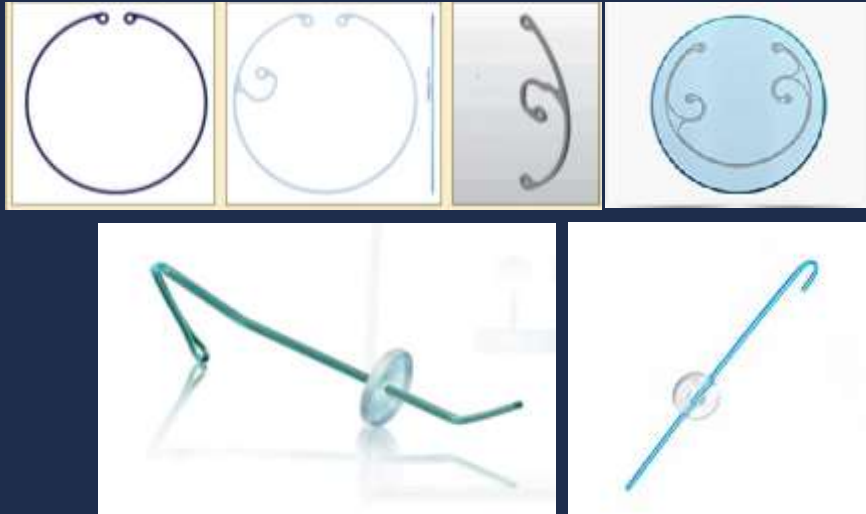


IOL options

- **Iris-fixated IOL (Artisan)**
 - Retropupillary
 - ACIOL
- **Scleral fixation**
 - Sutured (Gore-Tex or Prolene)
 - Glued
 - Flanged (Prolene)



Bag devices



Bag devices

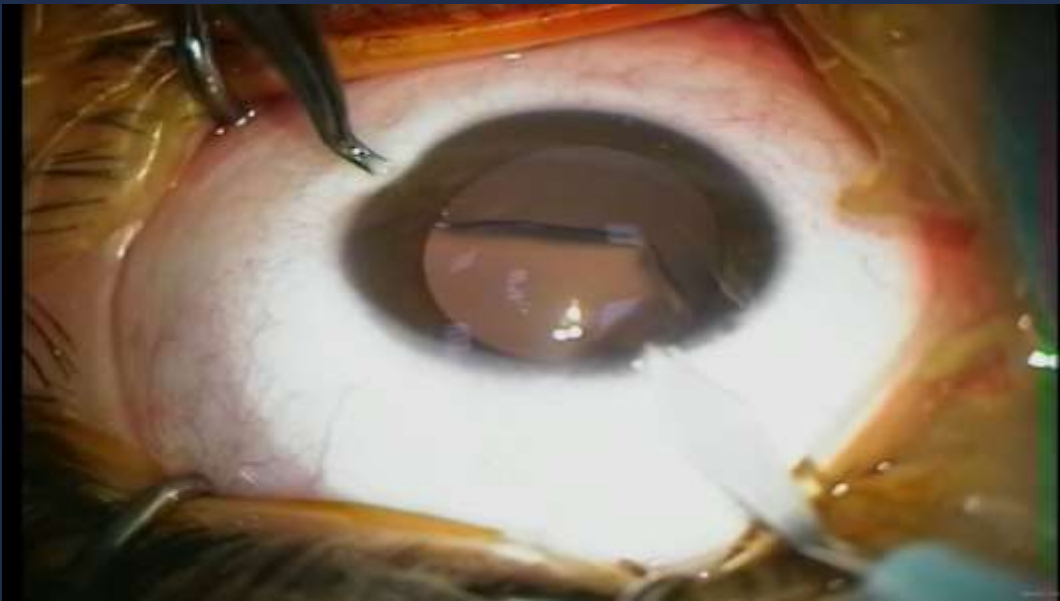
- **Cionni**
 - Sutured using 10/0 or 9/0 prolene suture
 - Gore- Tex suture
 - Double flanged prolene
- **CTR with Ahmed Segment**

7-year-old boy, presented with DOV (OU),
-ve Hx of trauma, systemic diseases
+ve FH (older brother)
BCVA: 0.1, 0.05
Refraction: OD: -1.5/-1.00*11
OS:+14.00/-0.75*166

OD



OS



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Postoperative:

- UCVA: 0.3 (OU),
BCVA: 0.9, 0.8
- Refraction OD: +1.50/-1.50*15,
OS: +1.75/-2.25*170



Important to consider:

- Exclude systemic syndromes (Marfan syndrome, homocystinuria, Weill-Marchesnai syndrome)
- Look for other congenital anomalies or coloboma.
- Perform meticulous fundus examination (high myopia, peripheral retinal degenerations).
- Always have plan B and be flexible in changing your surgical decision according to the condition.



Thank you

