

المؤتمر السنوي الدولي للجمعية الرمدية المصرية
INTERNATIONAL CONGRESS OF THE

EGYPTIAN OPHTHALMOLOGICAL SOCIETY

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Sclearal fixation IOL with sutures

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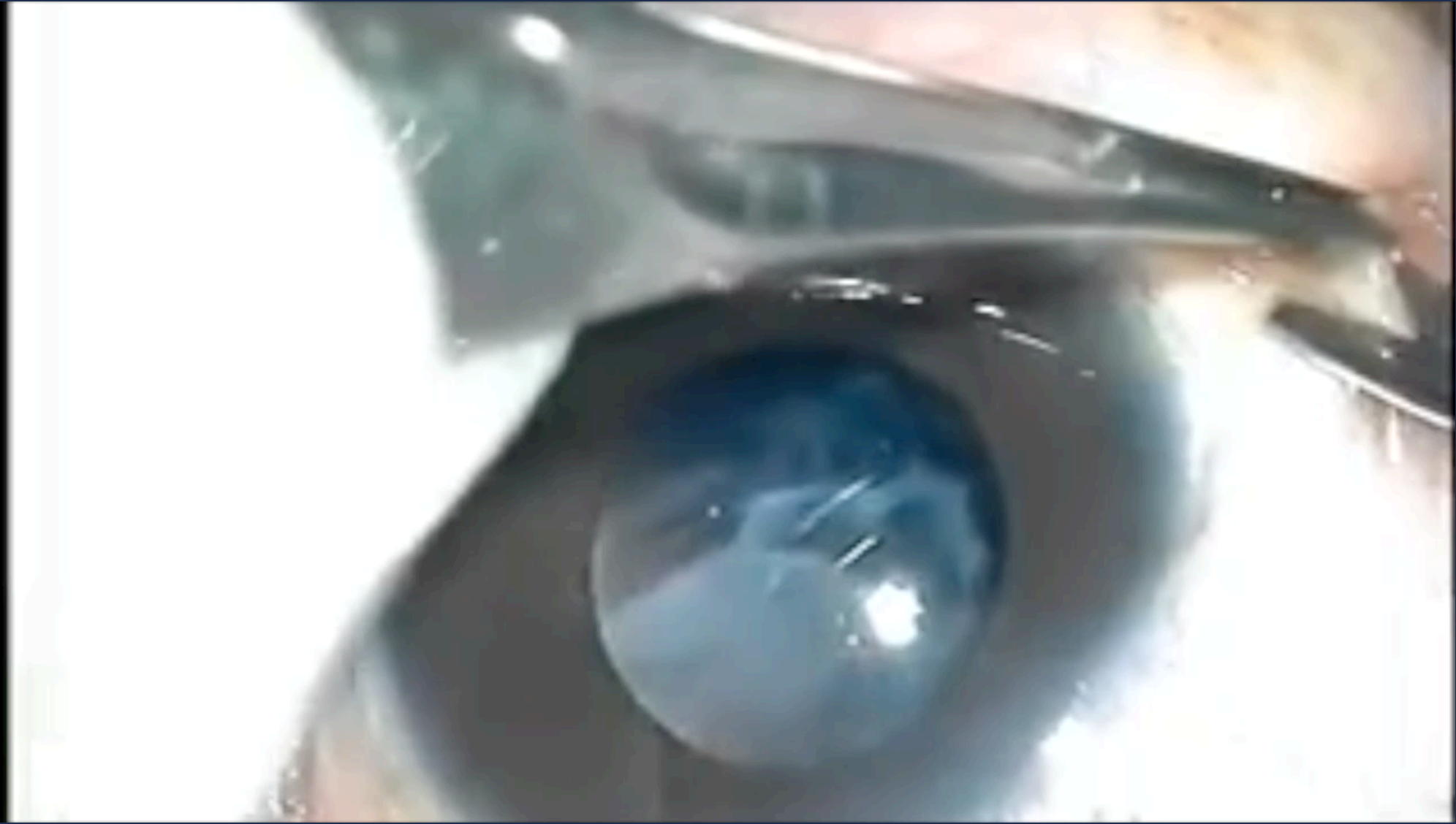
IOL implantation with insufficient capsular support

- Scleral fixation IOL (with sutures, sutureless)
- Iris fixated lens (claw lens, PCIOL with iris fixation suture)
- ACIOL

Indications:

- Traumatic subluxation
- Complicated surgery
- Primary congenital ectopia lentis
- Ectopia lentis associated with disorders ie. Marfan Sandrome, Weil-Marchesani syndrome, Homocystinuria

Classic Scleral fixation IOL with sutures



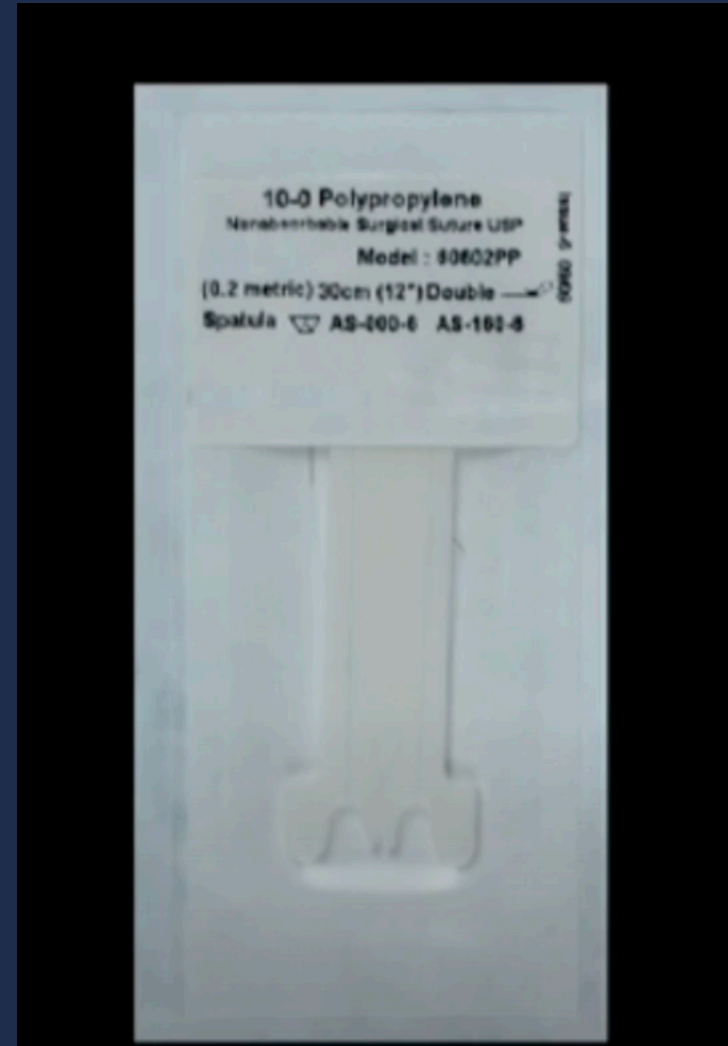
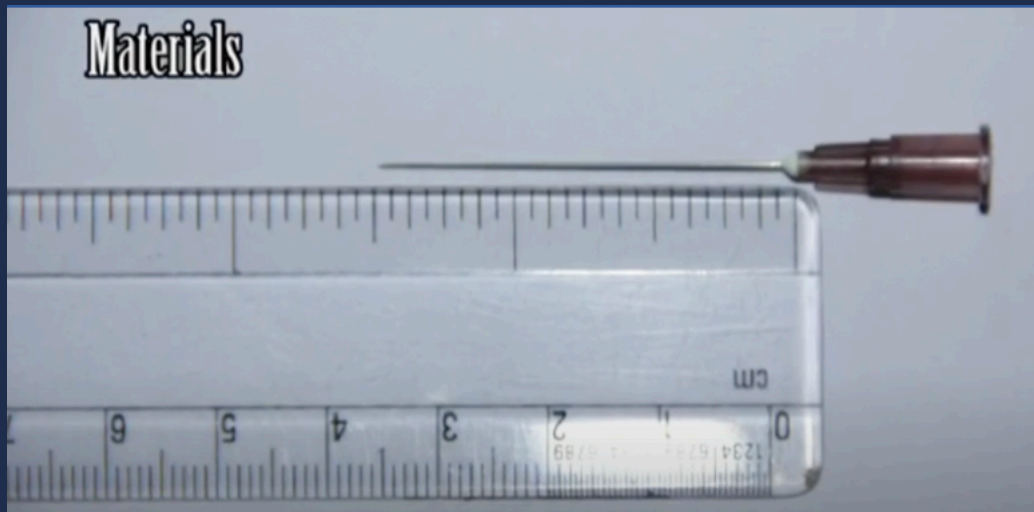
EQS 2023



Modified scleral fixation IOL with sutures

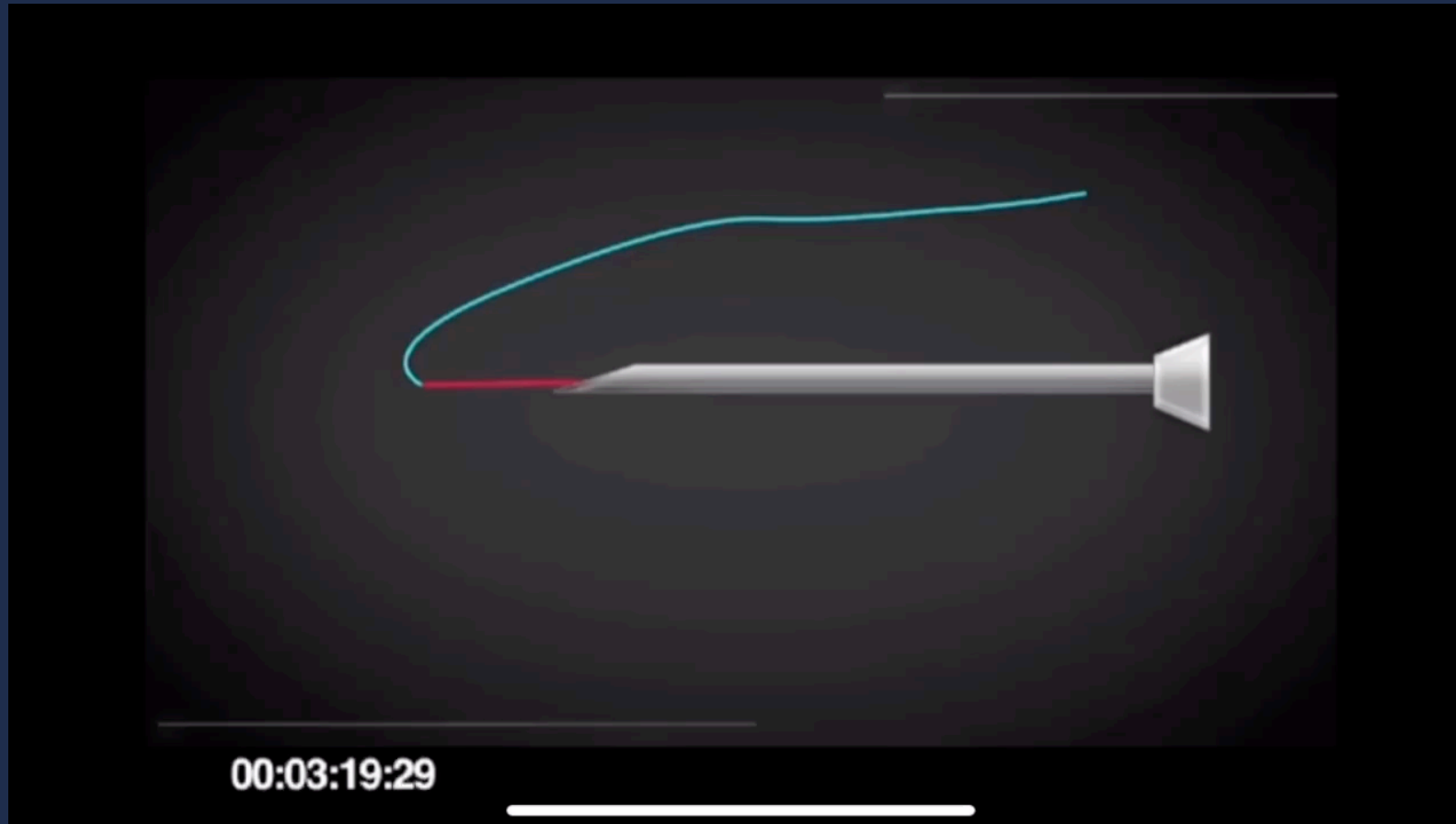
Surgical technique

- Materials



Surgical technique

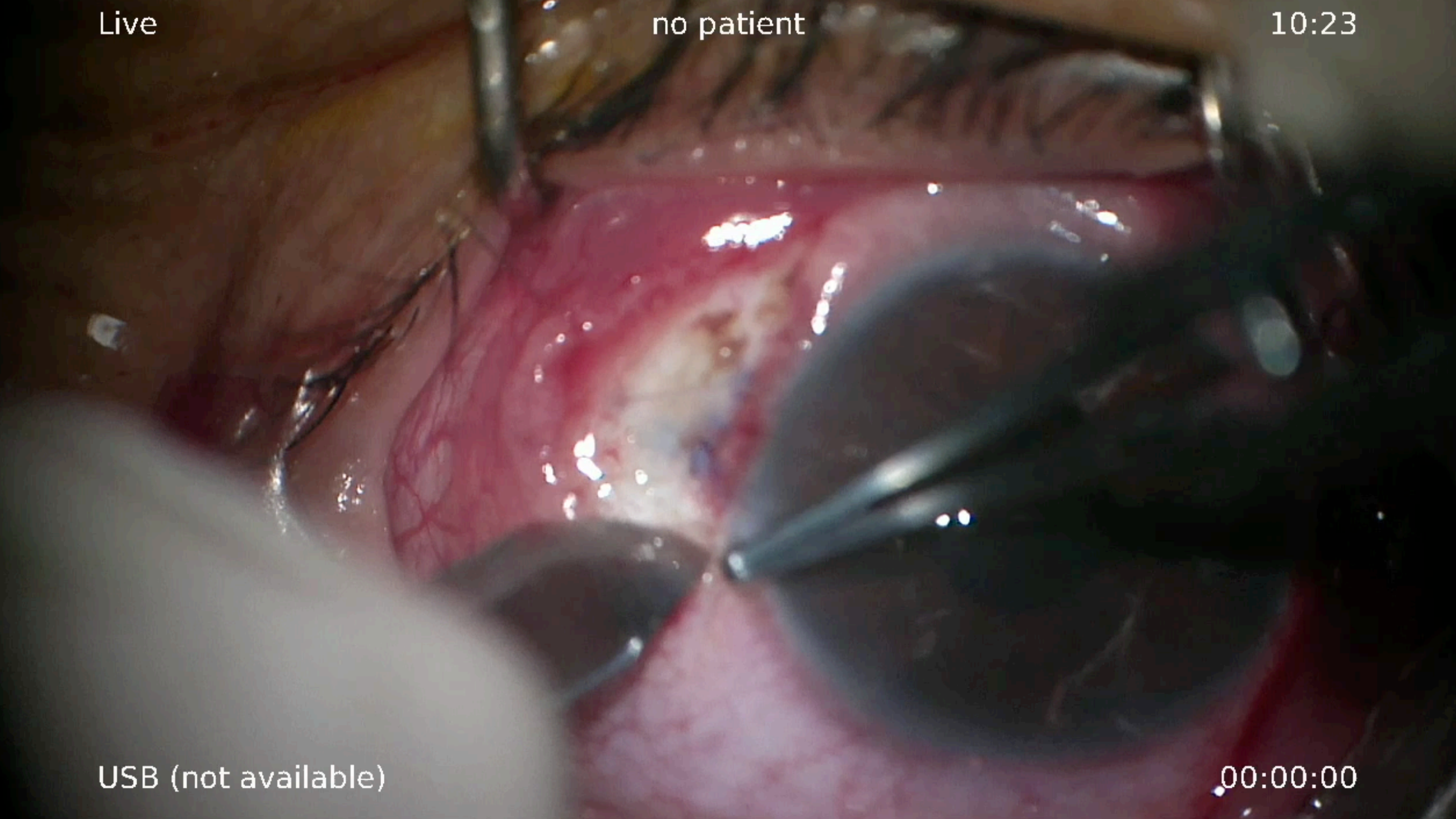
Sinumol Thulaseedharan, ASCRS 2013



Live

no patient

10:23



USB (not available)

00:00:00

Advantages of modified technique:

- Single entry
- Less manipulations
- Easy learning curve
- Excellent centration
- Less time consuming

Advantages of Scleral fixation IOL:

- IOL anatomical position in the sulcus
- Less damage to corneal endothelium
- Less risk of glaucoma, inflammation
- Pupil dilation is not affected

Disadvantages of Scleral fixation IOL:

- Technically challenging
- Lengthy procedure
- Risk of suture erosion/endophthalmitis
- Decentration, Dislocation/ RD

Conclusion:

- SFIOL is a safe and effective treatment option in pediatric cataract with insufficient capsular support
- Sutured SFIOLs have been the mainstay until the last decade
- Both sutured and sutureless SFIOLs have a subset of early and late complications, long term follow up is needed to identify the optimal surgical strategy for these cases



THANK YOU

See you next year

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