

Visual Rehabilitation After Major Eye Injury

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EOS Meeting
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Surgical repair involving more than one part of anterior segment structures:

- ▶ Cornea
- ▶ Iris
- ▶ Lens
- ▶ Anterior vitreous

Anterior Segment Reconstruction is **NOT** The Primary Repair

But it follows a good time later when inflammation has subsided and things have settled “Not On A Hot Or Infected Eye”.

It is the **REHABILITATION.**

Exceptions

- ▶ Metallic IOFB
- ▶ Loose soft lens matter
- ▶ Elevated unresponsive IOP

Target

- ▶ Remove **opacities**
 - CO
 - LO
 - Pupillary membrane
 - Hyphema
- ▶ Prevent or treat **glaucoma**
 - pupil block
 - PAS
 - chronic inflammation
- ▶ Restore near normal **pupillary aperture**
- ▶ Treat **refractive** errors resulted

Assessment, thinking, planning



Assessment

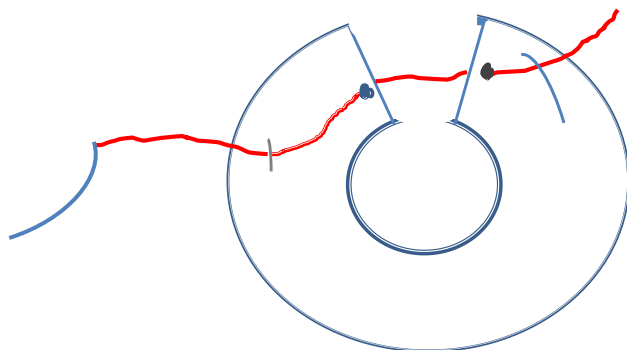
- ▶ Do you need a corneal **graft** ?
- ▶ Will you need to **repair the iris** ?
- ▶ Leave or remove natural **lens or IOL**?
- ▶ Is **visual axis** clear?
- ▶ How are you going to correct **aphakia** ?
- ▶ Will **IOP** be controlled by reconstruction or would need glaucoma surgery?

Why do we need **Iris Repair** ?

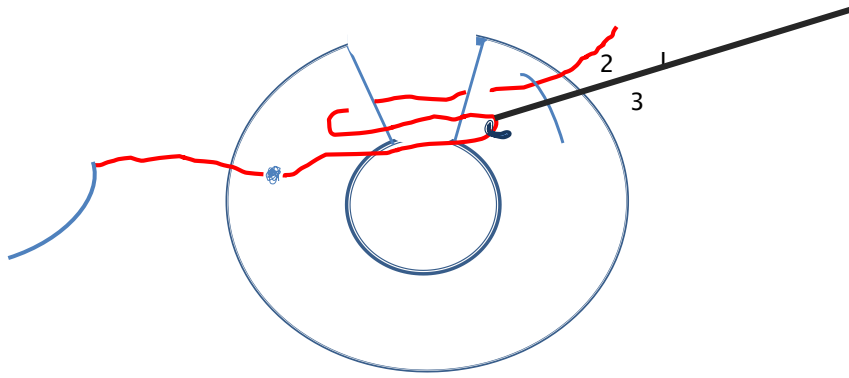
- ▶ Improves VA
- ▶ Stabilizes IOL
- ▶ Improves cosmeses
- ▶ Prevents glaucoma ,PAS
- ▶ Improves survival of corneal grafts

Repairing Iris Defect

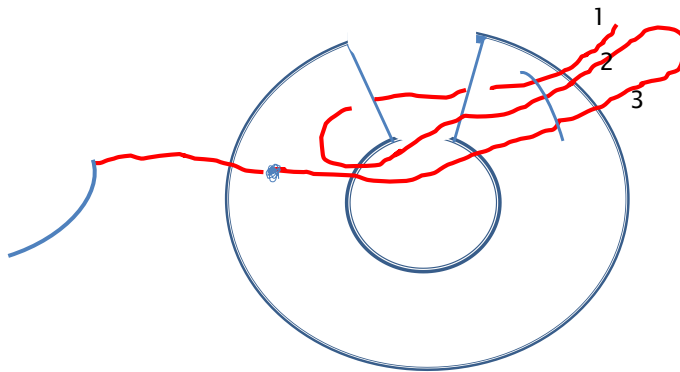
Siepser's sliding knot



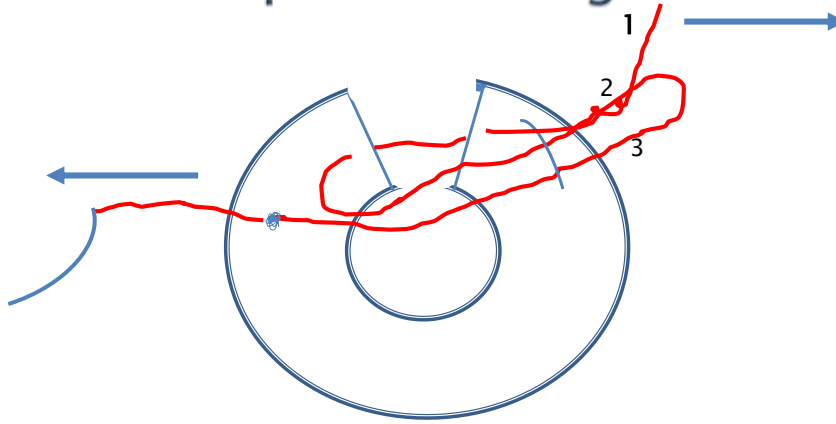
Siepsen's sliding knot



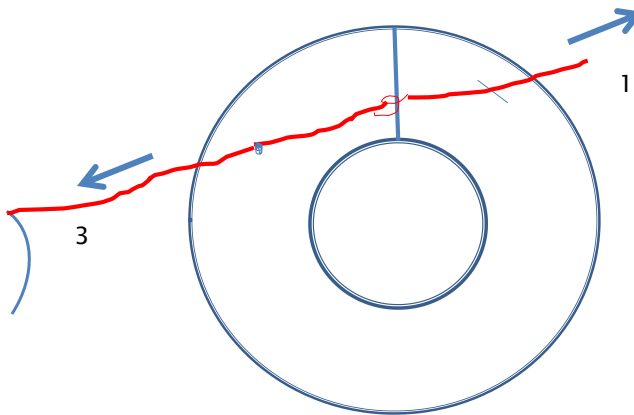
Siepsen's sliding knot



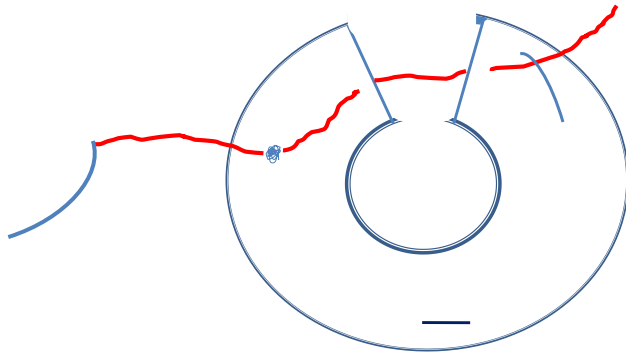
Siepsier's sliding knot



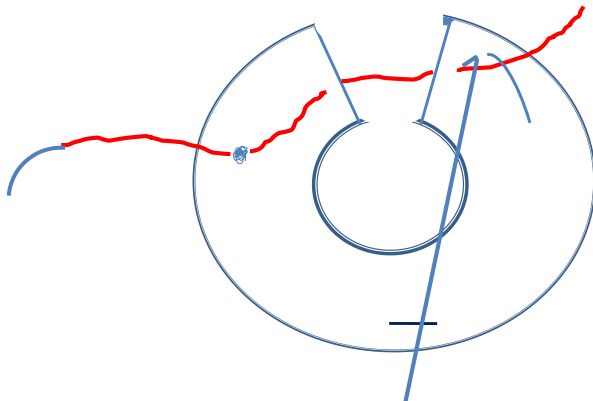
Siepsier's sliding knot



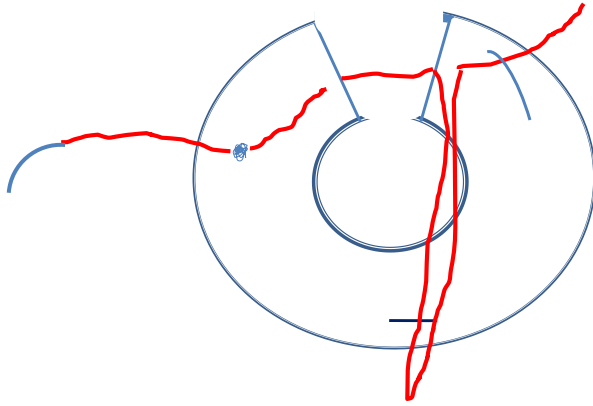
Mc Cannel suture



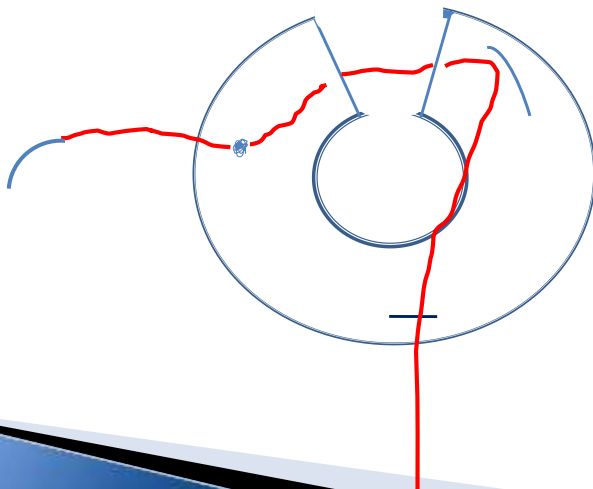
Mc Cannel suture



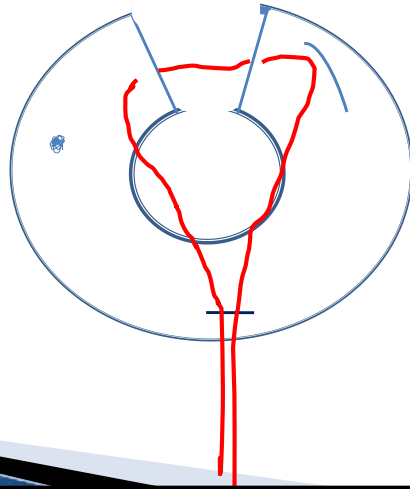
Mc Cannel suture



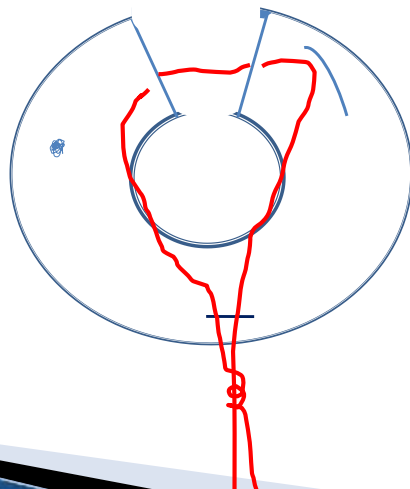
Mc Cannel suture



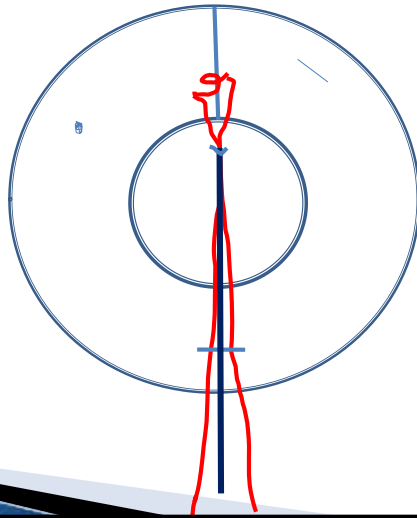
Mc Cannel suture



Mc Cannel suture

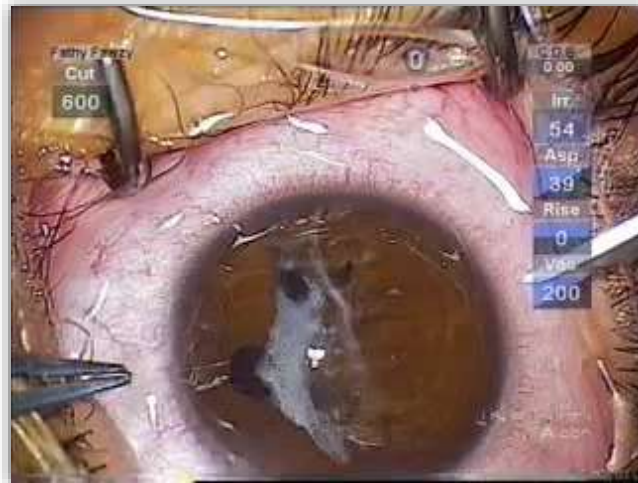


Mc Cannel suture

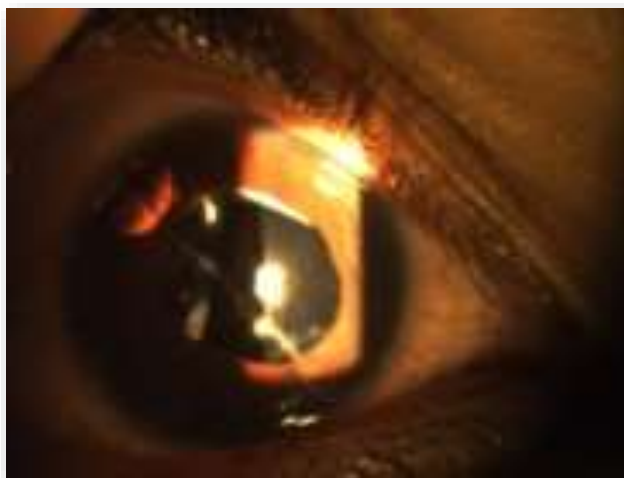


Rehabilitation After Ruptured Globe Repair

Rehabilitation post RG repair



Post op S/L



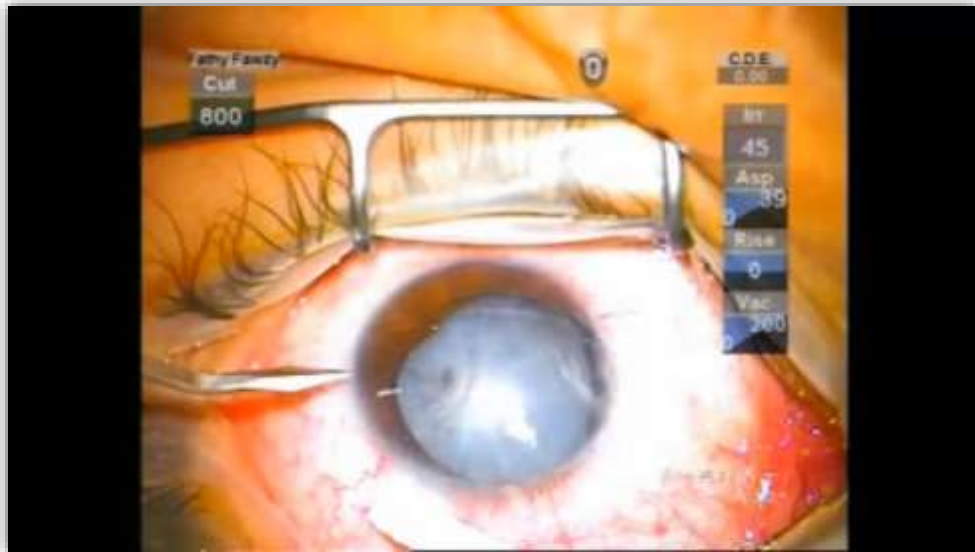


Non-penetrating Trauma



Iridodialysis + Cataract





HOFFMANN'S POCKETS

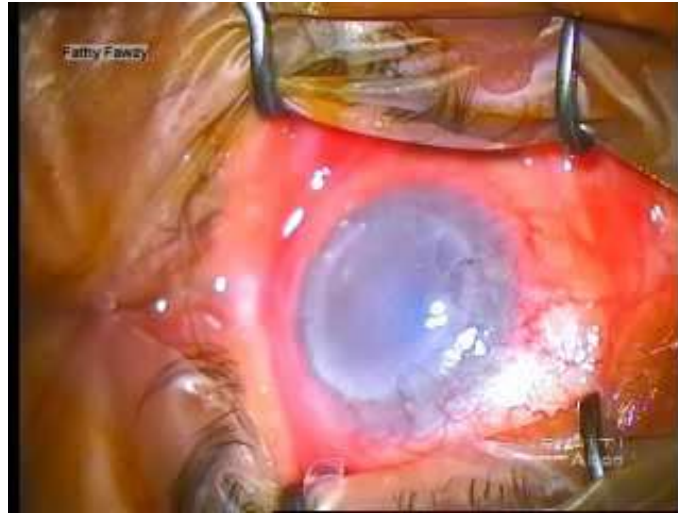


Anterior IOL/ Bag dislocation



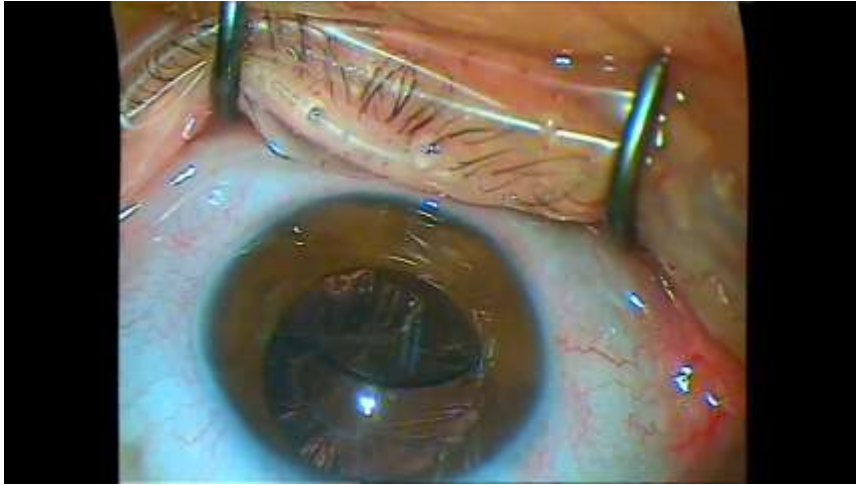
Iatrogenic Trauma

PKP + IOL exchange

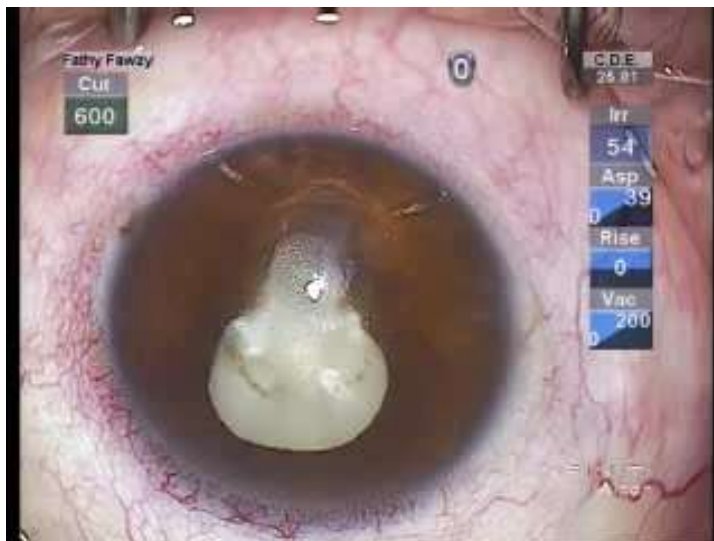


DISPLACED IOL





SILICONE FILLED EYE



ANTERIOR SEGMENT RECONSTRUCTION LAST WORD

- ▶ It is not a heroic surgery.
- ▶ It's a structured well planned technique.
- ▶ Yet subject to versatility during course of the procedure.
- ▶ Requires long term care and good understanding of both surgeon and patient family.



**THANK YOU
MARK YOUR CALENDER**



**THANK YOU
FOR YOUR ATTENTION**

