

Rectus muscle Transposition

By

Manal Kasem

*Prof. of Ophthalmology,
Mansoura Ophthalmic Center, Mansoura
University*

Transposition surgery

- **Transposition surgery is an alteration in the mechanical properties of a muscle.**
- **Modified direction of pulling of that muscle, that is the hallmark of the transposition procedure.**
- **Indicated in Persistent defect of ocular movement in certain direction**

Transposition surgeries

Nerve Palsy

- 6th Lateral rectus Palsy
- 3rd Medial rectus Palsy

Monocular elevation deficiency (MED) ➤ Knapp's procedure

Superior oblique palsy (SOP) ➤ Harada Ito procedure

Inferior oblique overaction (IOOA) ➤ IO recession/anteriorization

Pattern strabismus ➤ Vertical transposition of the horizontal recti



Lateral rectus Palsy

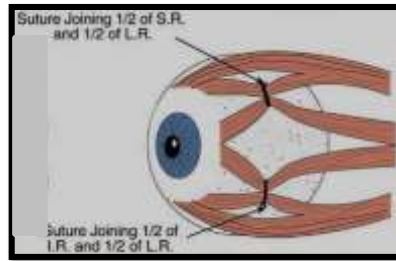
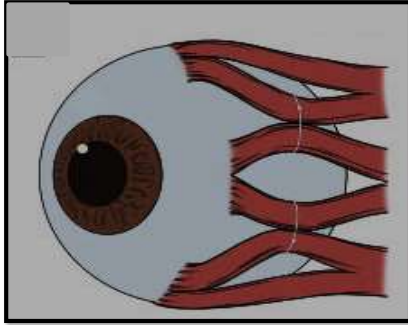


6th nerve palsy

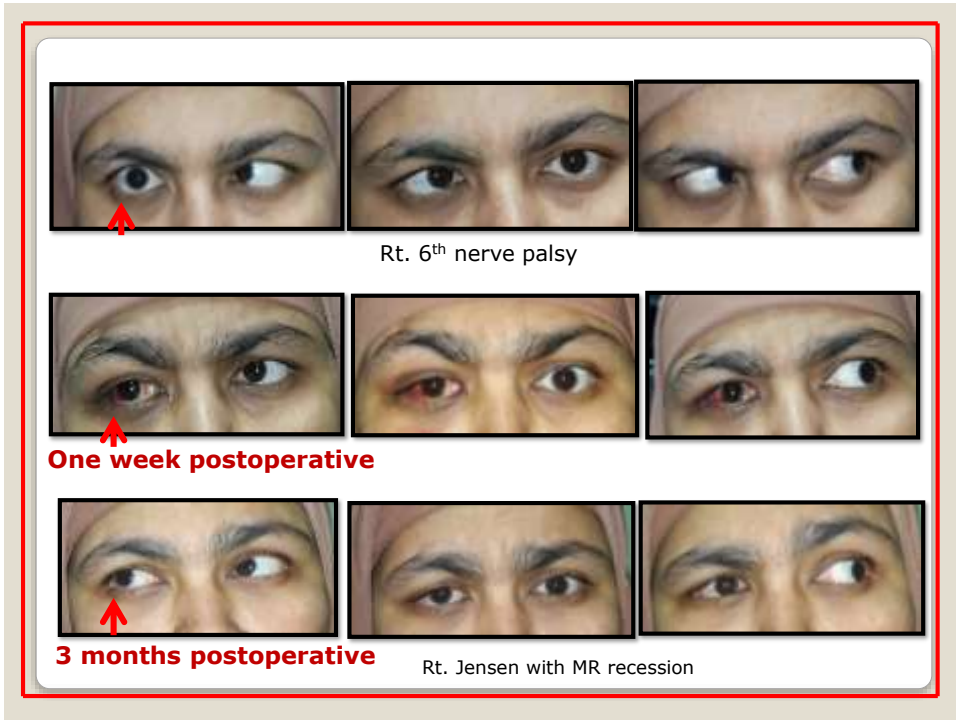
Jensen

Hummelsheim

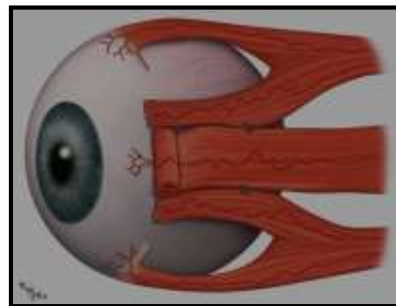
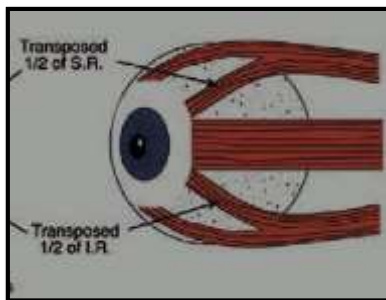
Jensen procedure



Jensen procedure



Hummelsheim procedure





Hummelsheim procedure



Augmented Hummelsheim procedure



Lt. 6th nerve palsy



Post Hummelsheim procedure



Short Reports

Anterior segment ischemia after surgery on 2 vertical rectus
muscles augmented with lateral fixation sutures ☆☆☆

Todd J. Murdock, MD, Burton J. Kushner, MD

Show more

<http://dx.doi.org/10.1067/mpa.2001.118668>

Get rights and content

Abstract

Anterior segment ischemia is a rare but potentially serious complication of strabismus surgery. Anterior ischemia typically occurs after surgery on 3 or 4 rectus muscles. Advanced age, dysthyroid ophthalmopathy, and a history of previous strabismus surgery are known risk factors for this complication. This report reviews the case of a healthy 50-year-old patient who developed anterior segment ischemia after surgery on 2 rectus muscles.

