

MUSCLE TRANSPOSITION TECHNIQUES

Prof. Akmal Rizk

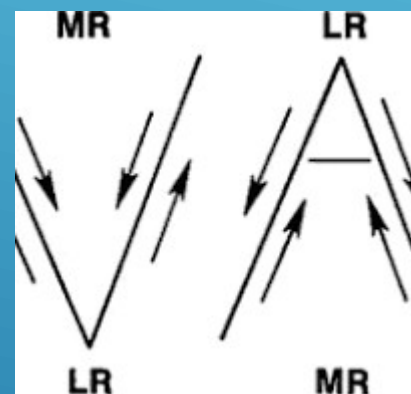
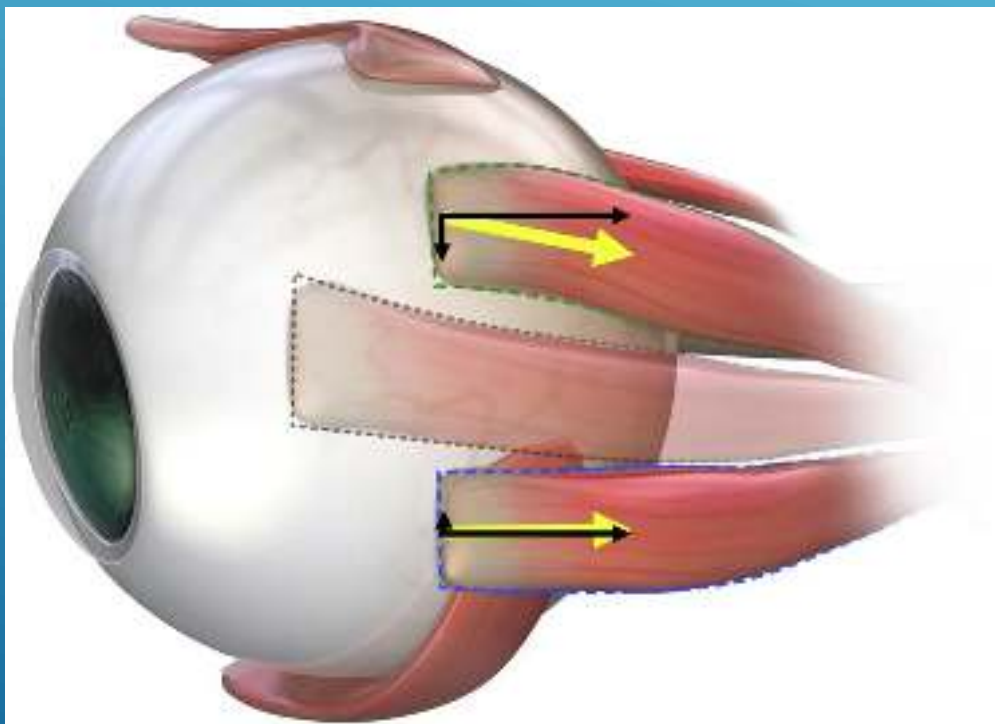
- ▶ It means that relocation or changing the path of one or more extra ocular muscle.
- ▶ It help to change the direction of tensile strength (Tone) of the transposed muscle to compensate for the loss of tone of the affected muscle.
- ▶ It doesn't replace any action

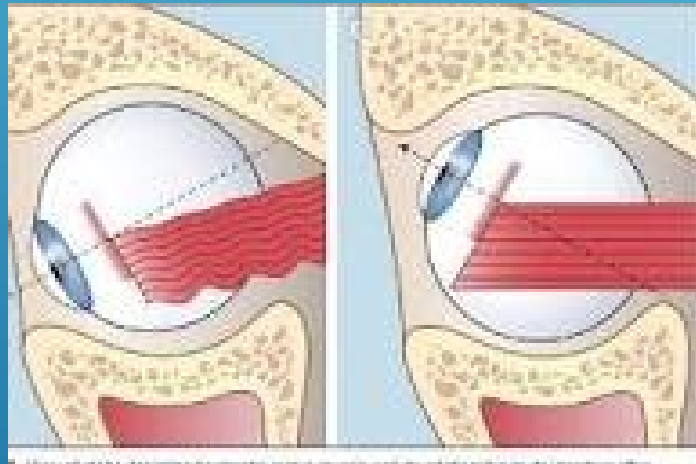
- ▶ Extraocular muscle paralysis
- ▶ Congenital Absence of one of extraocular muscle
- ▶ A-V pattern

INDICATION OF MUSCLE TRANSPOSITION

- ▶ Vertical transposition of horizontal recti
- ▶ To treat incomitance
- ▶ In absence of oblique muscle dysfunction

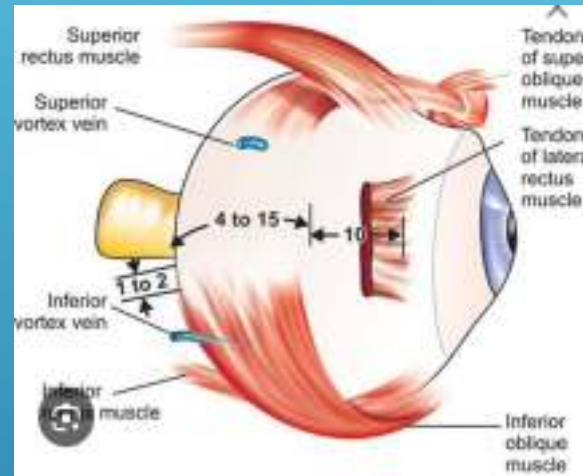
A-V PATTERN

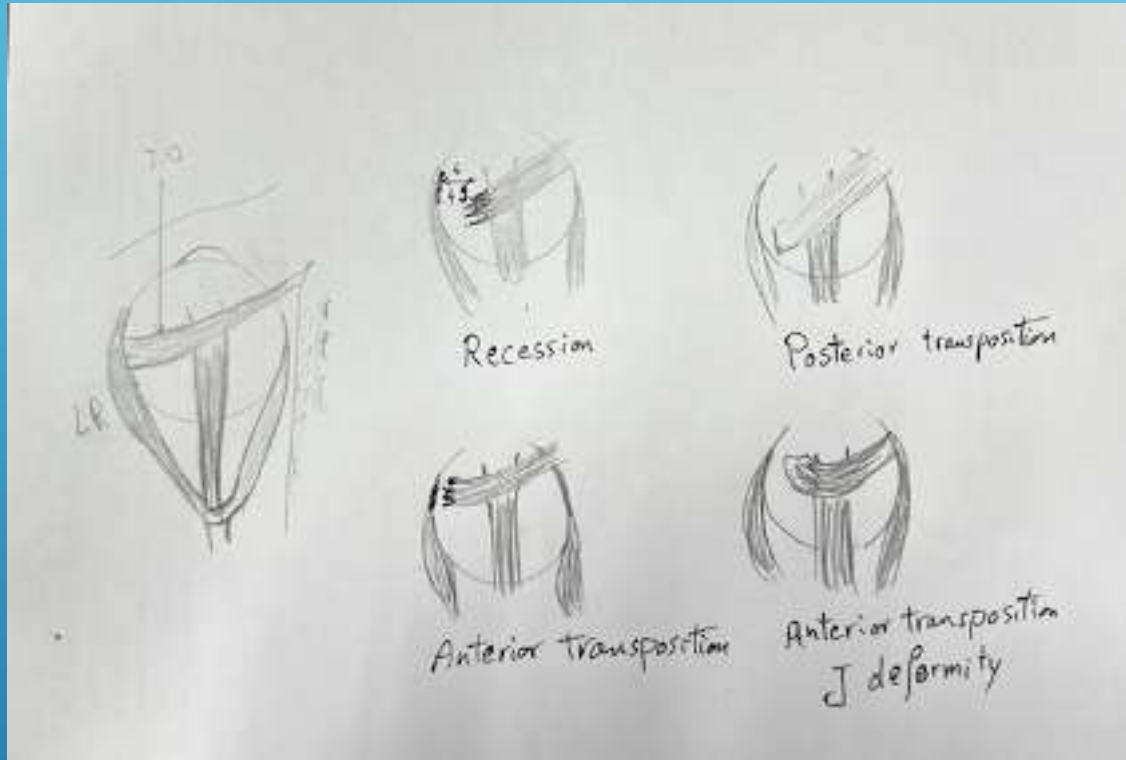




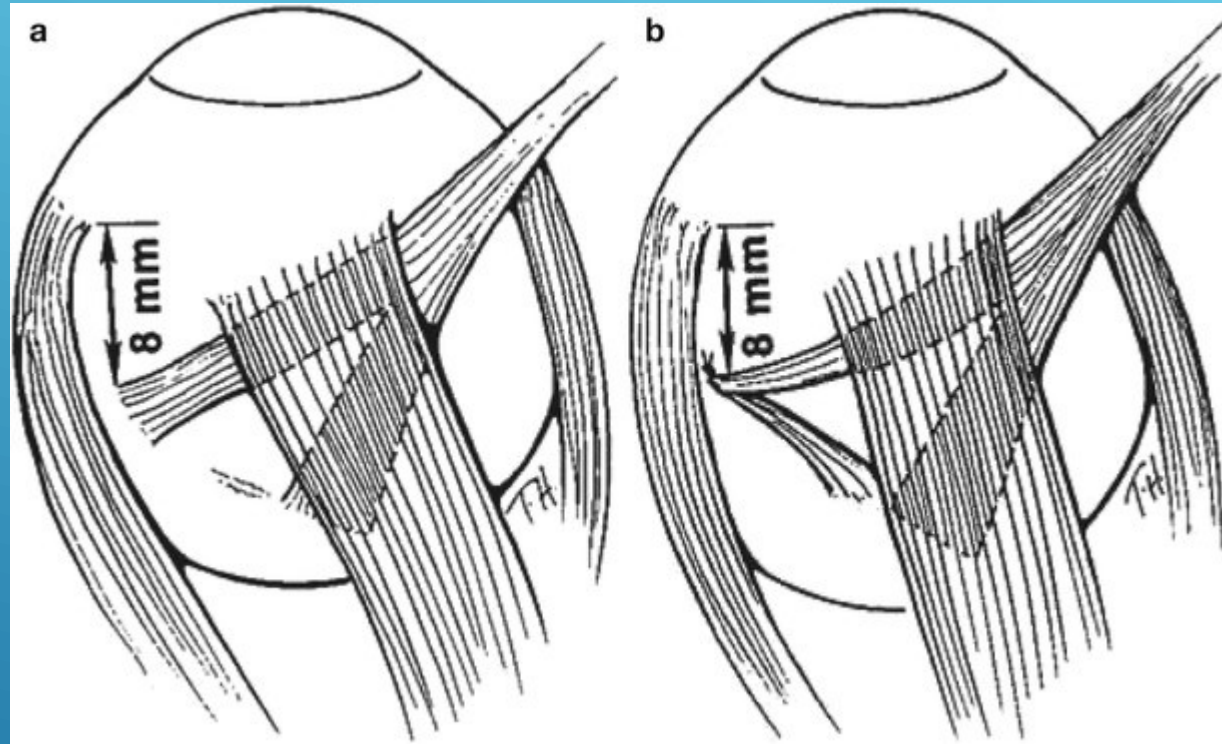
- ▶ IO weakening
- ▶ SO Strengthening

4TH NERVE PALSY



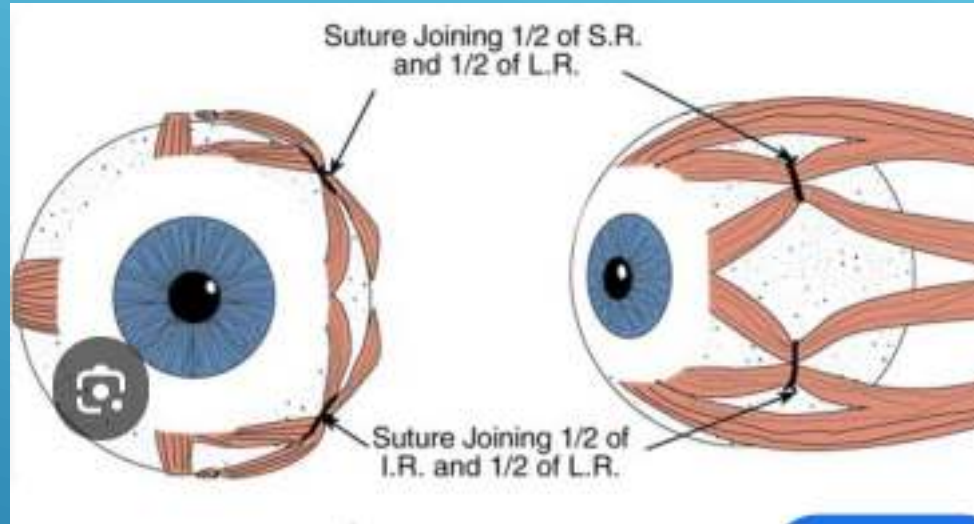


IO TRANSPOSITION / WEAKENING

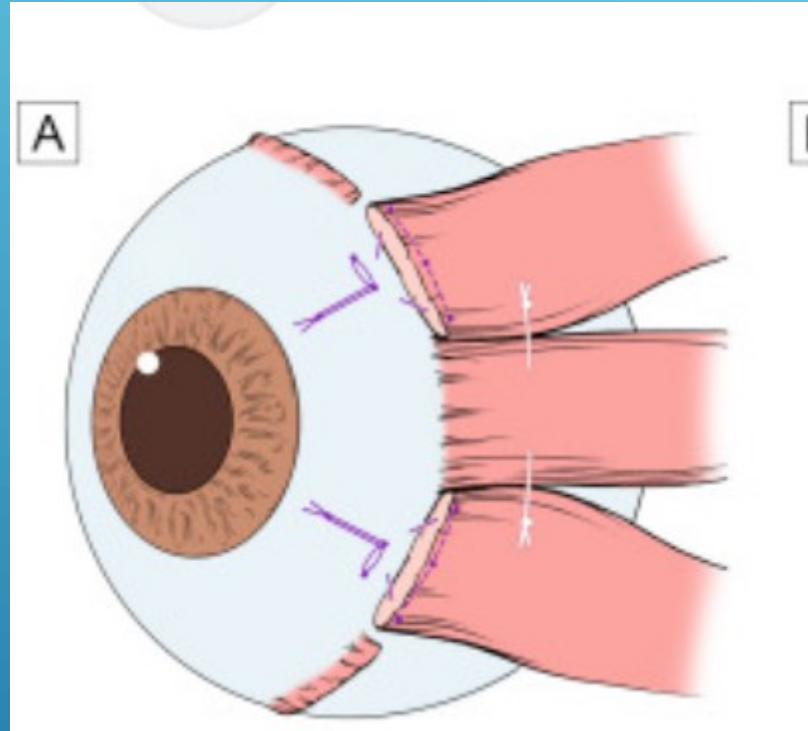


SO IN 4TH NERVE / HARADA ITO

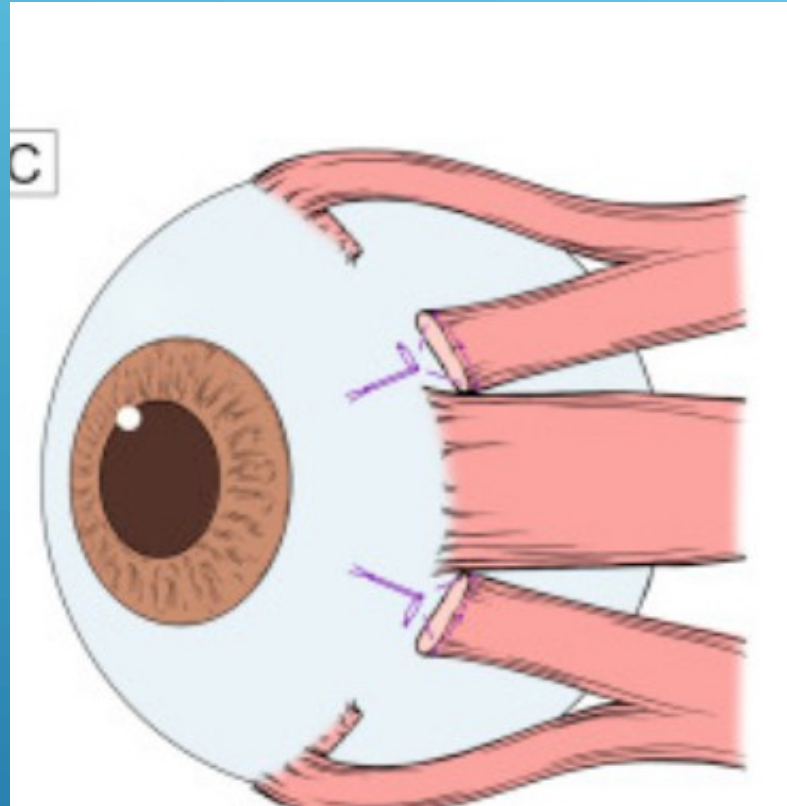
TRANSPOSITION FOR 6TH NERVE PALSY



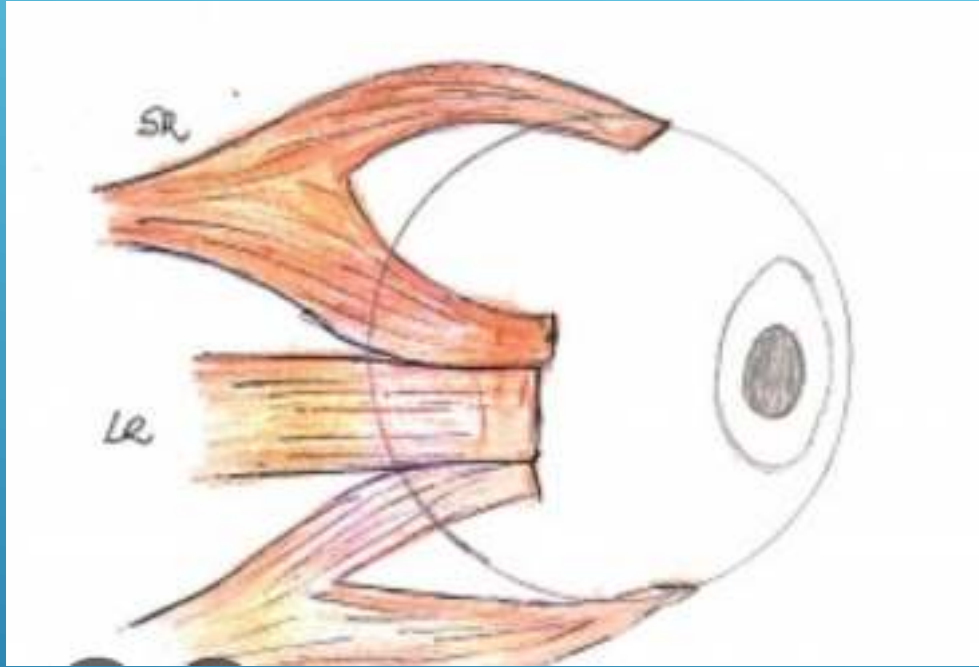
JENSEN



FULL MUSCLE TRANSPOSITION

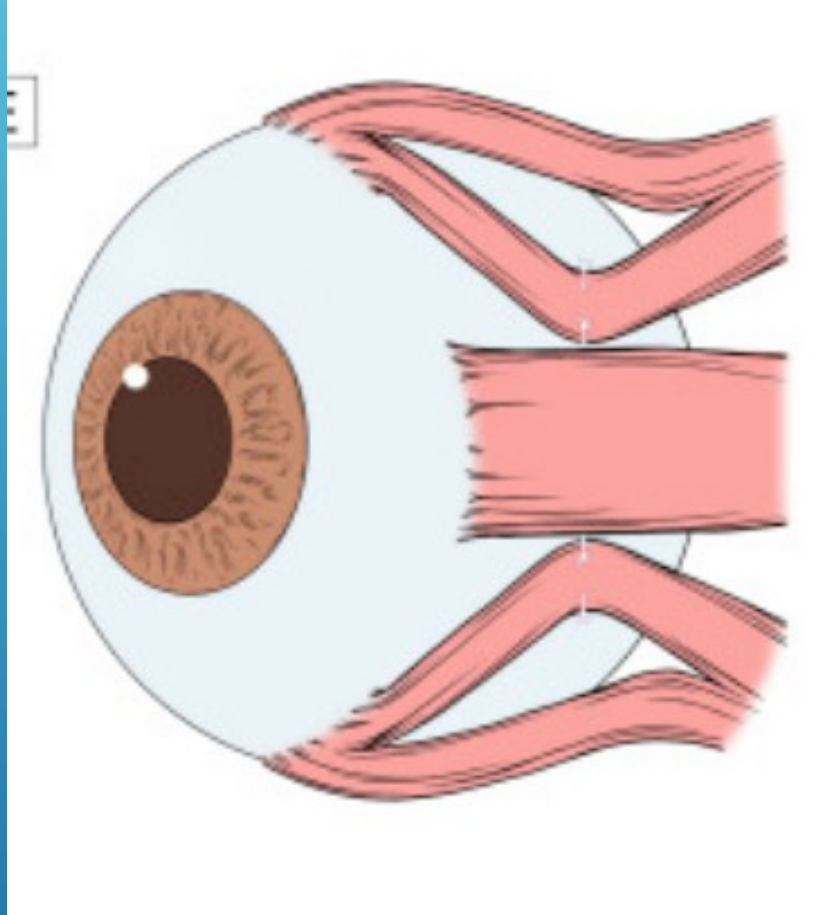


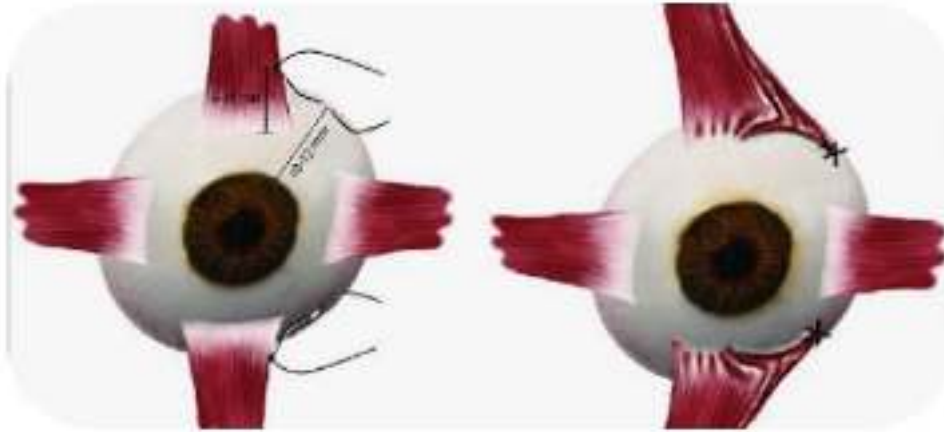
HUMMELSHEIM



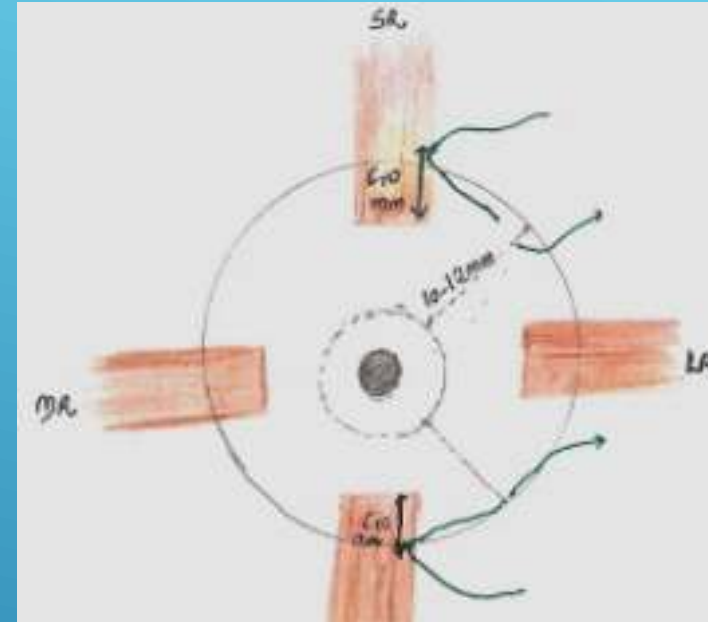
FOSTER SUTURE

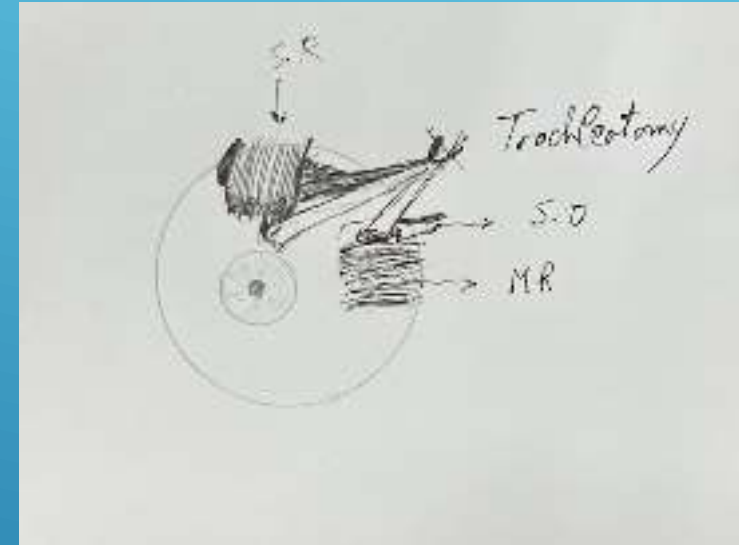
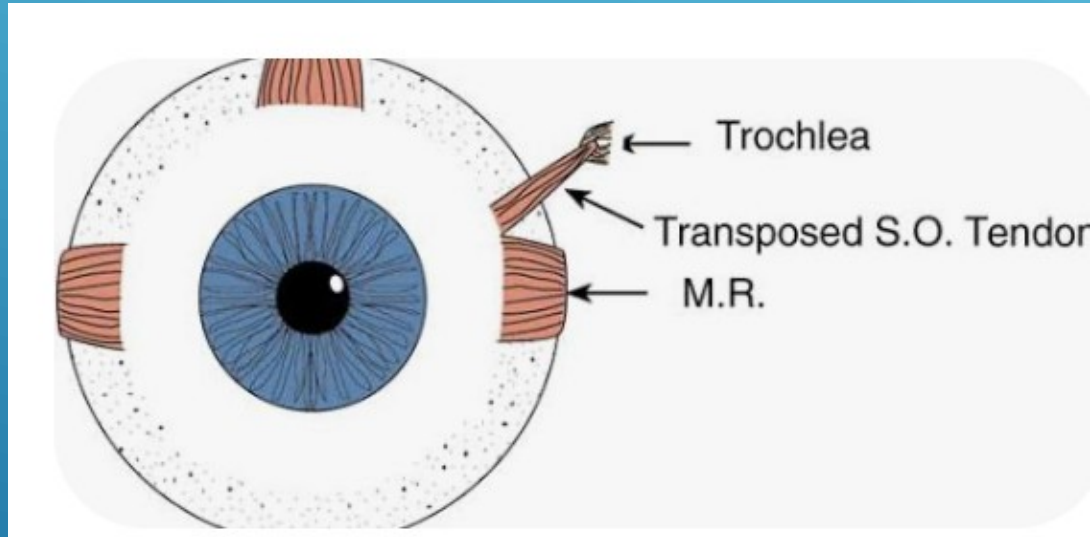
NISHIDA



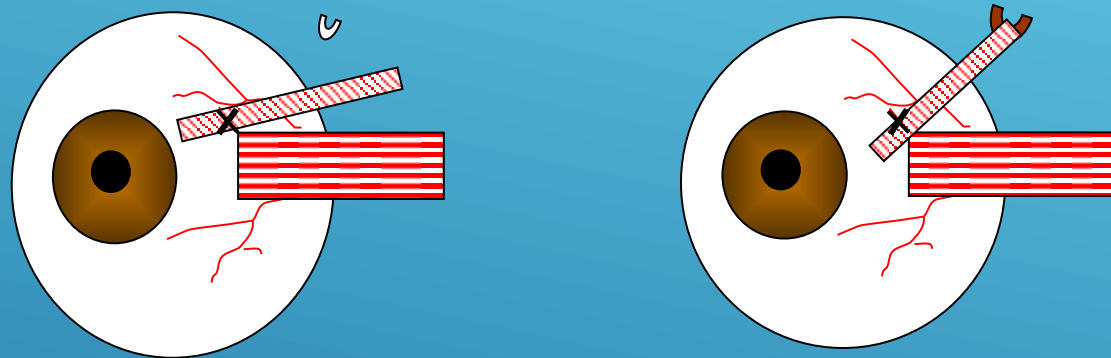


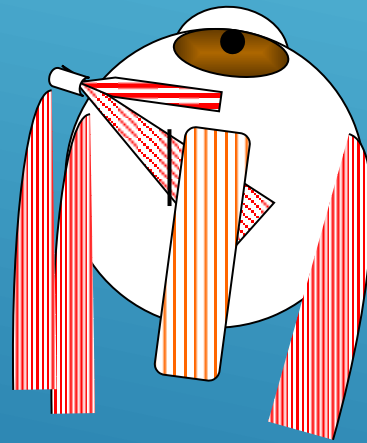
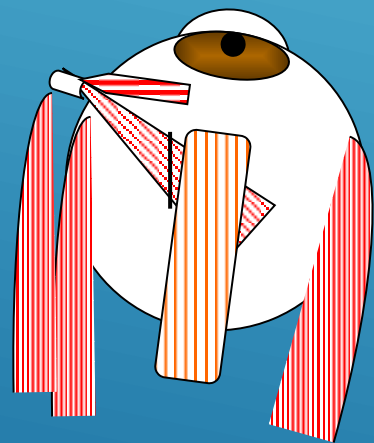
Modified Nishida...

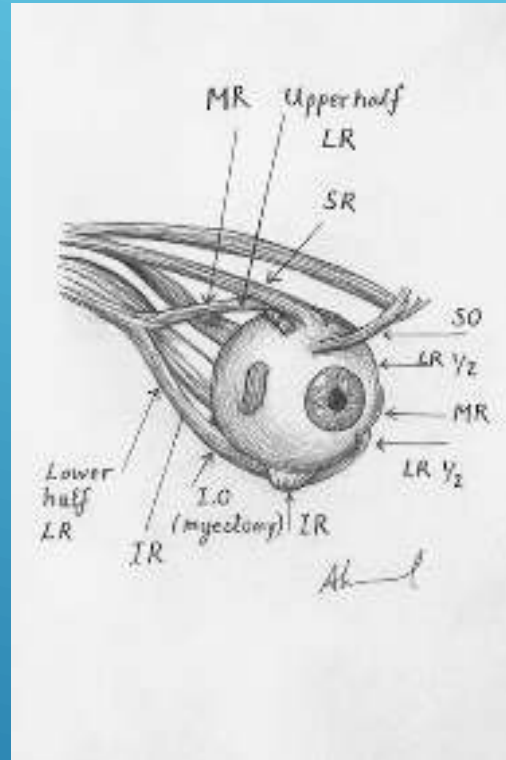




SO TRANSPOSITION FOR 3RD NERVE Palsy







MODIFIED TECHNIQUE FOR 3ED NERVE PALSY