

**Myectomy non-suture technique for
large angle horizontal strabismus
surgery ?**

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Title of the article:

Efficiency of non-suture Myectomy Technique for large-angle Horizontal Strabismus Surgery.

Abstract:

Myectomy for large angle strabismus of more than fifty five Prism diopter.

Aim:

to evaluate and consider alternative surgical technique for large angle horizontal strabismus of more than fifty-five prism diopter (55>PDs) instead of the traditional technique.

Methods and Material

A retrospective case-series on forty cases at different hospitals, non-suture myectomy surgery was done in both eyes under local anesthesia (more than 14 years old children). We documented forty cases, thirty six (36) primary strabismus patients (Exotropia-Esotropia) and only four (4) secondary cases were re-operated. All patients were evaluated after surgery clinically with good results images were taken pre-operatively and post-operatively some of them are in the photos below. The follow-up visit was conducted after the first month and then every six months for up to three years.

Results:

Out of 40 cases, (95%) 38 were successful (less than 10 Prism Diopters) with good ocular motility within one month, under correction only appeared in (5%) 2 of the cases. No field. One case was re-operated on, no persistent diplopia was noted in the central 30 over correction and no major complications were recorded during and after the surgeries. The results are supported by documents and images.

Conclusions:

not interrupt the natural This technique is remarkable in our ophthalmic field because it did integrity of the normal ocular motility, it is simpler, with a high success rate, requires shorter operation time, under local anesthesia for adult, without suturing, much more efficient, with lesser complications, and short learning curve.

Keywords:

Horizontal strabismus, myectomy, large-angle Strabismus Surgery, non-suture surgery, Prism Diopter