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

Dr. Said Abul Kader Jamal Eddin MD. (corresponding author)
Baish general hospital KSA - Baish
Ophthalmology department

Dr. jamal19@gmail.com
Abdul Gaffar Nahhas, MRCOPHTH. FRCS.CCST.
Almana general Hospital KSA
Ophthalmology Department
drnahhas@hotmail.com

Authors:
Said Jamaleddin, MD., Abdul Gaffar Nahhas, MRCOPHTH. FRCS.CCST.

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° field, 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 not interrupt the natural 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