

Do the horizontal muscles spontaneously reattach and adjust after non suture surgery for huge squint?

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ABSTRACT

Aim: To evaluate and consider alternative surgical technique for huge horizontal strabismus of more than fifty-five prism dioptre (55>PDs) and to prove that the muscles spontaneously reattach without suture after surgery.

Methods and Material: A retrospective case-series on 40 cases at different hospitals. Non-suture Myectomy surgery was done in both eyes under local anaesthesia for adults. Out of 40 documented cases, 36 were primary strabismus patients (Exotropia-Esotropia) and only 4 secondary cases were re-operated. All patients were evaluated after surgery clinically and with CT images and examined, follow ups are made for every six months up to three years.

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

Conclusion: This technique is remarkable in ophthalmic field because it did not interrupt the natural integrity of the normal ocular motility, it is simpler with a high success rate, requires a shorter time, under local anaesthesia for adult, without suturing, much more efficient, with lesser complications, and shorter learning curve. The horizontal muscles spontaneously reattach and adjust after surgery.

BIOGRAPHY

Said Abul Kader Jamal Eddin was born in 1953 at Homs Syria. In 1980 he completed his MBBCH from Cairo University, Egypt and by 1985 he has completed his MD as Ophthalmic Specialist in Syria. He got Syrian board certificate in 2015 and Saudi Commission certificate in 2016. He has gone through many courses and training in USA from 1991-1993. From 1986-1990, he worked as Executive Director of Ophthalmology Department at Ministry of Health at Al Watani Hospital, Homs Syria. Based on experiences and personal observations of various cases he has developed three states of art surgical techniques for glaucoma, closed DCR and squint surgery.



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