

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo PIBIC

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Middle -

Service (sector)

Strabismus

Nº CEP

The use of Moacyr Alvaro Technique in Horizontal Strabismus Associated to vertical deviation with Mild Oblique Muscle Hyper function.

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Purpose: Patients with comitant vertical deviation associated with horizontal squint can undergo Moacyr Alvaro technique (vertical displacement of horizontal recti muscles) to treat both the horizontal and vertical strabismus. We evaluated the use of this procedure to correct small vertical deviation in association with no more than + 2 oblique muscle hyper function, in patients submitted to surgery under topical anesthesia.

Methods: We reviewed the records from 1997 until 1999 of all patients operated on for strabismus treatment under topical anesthesia. Among these 14 patients, 10 women and 4 men. Were submitted to this technique at the UNIFESP/EPM strabismus clinic. Their ages ranged from 14 to 31 y.o. Both isotropy and exotropia ranged from 20 to 70[^] and the vertical deviation ranged from 6 to 15[^]. Two patients also had Dissociated Vertical Deviation (DVD).

Results: 6 month after surgery, 10 (71.4%) patients showed micro deviation only and were satisfied with the surgery regarding esthetics. Two (14.2%) patients were overcorrected for the vertical deviation and the two (14.2%) remaining patients were under corrected for the vertical deviation.

Conclusions: The vertical displacement of horizontal rectos muscle insertions of one eye in the same direction (Moacyr Alvaro Technique). Is effective to treat small vertical deviation associated to mild oblique muscle hyperfunction. One should also consider that this technique offers an easily performed. Less expensive and time-consuming procedure. Besides it is not as painful as an oblique muscle manipulation in surgery under topical anesthesia.