ABSTRACT

BINOCULAR SINGLE VISION ACHIEVED FOLLOWING SURGICAL CORRECTION OF LONG STANDING STRABISMUS AFTER 2 YEARS OF AGE

Aim of the study:

To study postoperative binocular single vision obtained by patients older than 2 years of age with various types of strabismus, after surgical correction.

Materials and methods:

This was a prospective study conducted in the Department of squint, RIOGOH, Egmore, Chennai for a period of 1 year. 50 patients with horizontal, concomitant squints were selected for the study. Complete orthoptic evaluation was done including binocular function tests. Patients were then taken up for either bimedial recession or Recession-Resection surgeries. Binocular function tests were done in post operative visits and the 3 month follow up results were taken into consideration.

Results:

Of the 50 patients, 19(38%) showed improved binocularity, 31(62%) remained the same. Of these patients 16 (84%) showed binocularity with synoptophore, 3(16%) with Titmus fly test. All the 19 patients were exotropes. Of these 19 patients, 14(82%) belonged to 3-10 yr age group. Of the 19 patients, 14(74%) had no residual deviation, 5(26%) had residual deviation of 10 PD.

Keywords:

Binocular single vision, stereopsis, concomitant squint, residual deviation.