Abstrak :

Purpose: To investigate the correlation between degree of anisometropia to depth of binocular vision and amblyopia.

Methods: Thirty six patients with anisometropia were studied. The difference of refraction of each patient was recorded. Patients, corrected with spectacles, were evaluated using Bagolini glasses test, Worth Four Dot Test, Synoptophore, and TNO stereo test.

Results: Most patients indicated fusion by the Bagolini glasses, Worth Four Dot Test, and Synoptophore. Six patients indicated scotoma by the Bagolini glasses, and one patient showed suppression. On TNO test, stereoaucity levels were normal in 12 patients. Twenty four patients indicated reduced or absent of stereoaucity. Synoptophore evaluation showed 10 orthophoria patients, 25 esotropia patients and one patient missed the test.

Conclusion: Anisometropia does not correlate significantly to the depth of amblyopia. There is a correlation between anisometropia and binocular vision.

Keyword :

anisometropia, binocular vision, amblyopia