Treatment of Diplopia due to Scar Tissue

J.

Huysmans

's-Hertogenbosch

In Juli, 1954, retinal detachment was diagnosed in a patient born August 7th, 1919. She had been operated on 5 times by other ophthalmologists, with diathermic coagulation. After a house-moving she came under my treatment in July 1957.

The visual acuity in the right eye after correction was 5/6.6, in the left eye after correction 5/10. The left retina was apposed to the sclera. The field of vision was narrowed. The patient complained of diplopia. In primary position the left eye showed exophoria of 6–10° and varying hyperphoria of up to 6°. In particular the adduction of this eye was reduced, owing to cicatrization of the wounds of preceding operations.

On July 29th, 1957, the patient was operated on.

A thread was applied under the tendon of the musculus rectus externus and under the tendon of the musculus rectus superior. Especially the adduction of the eyeball was shown to be limited: the eyeball could hardly be moved beyond the primary position. After injection of hyaluron and pulling patiently for about 20 minutes I succeeded in adducting the eye to such an extent that the cornea practically disappeared under the plica semilunaris. The eye was fixed in a markedly adducted and deorsumducted position for 2½ days. Two weeks later there was orthophoria in all directions. This favourable result has persisted up to the present moment.