

原著

Long Term Potentiation of Binocular Function in the Postoperative Period of Infantile Esotropia

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Abstract

This investigation was explained to improve the effect of orthoptic treatment of infantile esotropia by long term potentiation. In the successful group, 67% achieved a stereo acuity of 60 seconds or better. Partial improvement was seen in 20% and no improvement in 13%. There were 3 types of cure processes in the successful group. The first type maintained a good binocular function before the operative stage. The second type achieved a good binocular function in a relatively early postoperative stage, while the third type had delayed development of binocular function over a period of several years. The former cases had sufficient intensive orthoptic treatment during admission, and the latter showed a gradual improvement of stereo acuity accompanied by good eye position.

要約

本報は乳児内斜視の両眼視機能の治癒過程を詳細に検討した初めての報告であり、両眼視機能の遷延治癒を明らかにした。乳児内斜視30例の長期観察における両眼視機能の獲得(60seconds)は良好例67%、改善例20%、不良例13%であった。両眼視獲得には3つのタイプがある。type1は、術前より良好な両眼視があるものは5年後、良好な両眼視機能を保持していた。type2は、術後よりまもなく良好な両眼視機能を示したものである。type3は、数年間経過後に両眼視を獲得し遷延治癒を示した。術後より良好な両眼視を示したタイプは積極的な視能訓練を施行したもので、訓練刺激により両眼視機能のシナプスの発達を示唆された。
