

009

COMPARATIVE OBSERVATION OF CLINICAL EFFECT OF ZENGSHINENG TRAINING SOFTWARE AND PEN NIB TRAINING FOR THE ABILITY TO CORRECT THE SMALL DEGREE OF CONCOMITANT EXOTROPIA OF PILOTS

OBSERVATION COMPARATIVE DE L'EFFET CLINIQUE DE LA FORMATION DES LOGICIELS DE FORMATION DE ZHENGSHENG ET DE PEN NIB SUR LA CAPACITE A CORRIGER LE PETIT DEGRÉ D'EXOTROPIE CONCOMITANTE DES PILOTES

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Introduction: To compare and study the clinical effects of Zengshineng training software and pen nib training for the ability to correct the small degree of concomitant exotropia of pilots.

Methods: 40 cases of pilots who has been diagnosed with concomitant exotropia checked the range of fusion in the same Synoptophore. The 40 patients with concomitant exotropia were randomly divided into Zengshineng training group (n = 20) and pen nib training group (n = 20), and underwent the fusion training. In the Zengshineng training group were taken the intelligent training system for the subject of the convergence function training, 3 times a day, every 10 minutes; the pen nib training group were taking the pen nib training for 3 times, every 30 times. Then, the range of fusion for 1 month, 3 months and 6 months were checked by the same Synoptophore, and the groups were compared.

Results: In the Zengshineng training group, the range of convergence for 1 month, 3 months and 6 months was significantly improved compared to before the correction. In the pen nib training group, the convergence range at 1 month was not significantly improved ($P > 0.05$), and the 3 months and 6 months were significantly improved (1 month, 3 months and 6 months) in the Zengshineng training group were significantly higher than those of the pen nib training group.

Conclusion: Zengshineng training software and pen nib training for the ability to correct the small degree of concomitant exotropia are exact, and the Zengshineng software is faster and more efficient than the pen nib training.