

Innervational surgery for supranuclear monocular elevation deficiency with horizontal strabismus: A paediatric case report and review of the literature

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Monocular Elevation Deficiency (MED) is an ocular motility disorder characterized by the inability to elevate one eye in abduction, adduction, and primary gaze, previously known as Double Elevator Palsy (DEP). Various surgeries include Knapp procedure or modified Knapp, inferior rectus recession, Modified Nishida's procedure and superior rectus recession on the contralateral eye depending on the classification [Figure 1].

A paediatric case of Supra Nuclear Palsy (SNP) MED associated with significant horizontal deviation and co-existent the Inferior Oblique Muscle Overaction (IOOA) in the contralateral eye is described. We corrected 40 Prism Diopter (PD) of horizontal deviation and 25 PD of vertical deviation, and simultaneously corrected IOOA with an innervational surgery combination with horizontal rectus recession [Figure 2].

Contralateral superior rectus recession based on innervational principle provides an appealing alternative treatment for SNP MED and MED with significant horizontal deviation cases [Figure 3].

Biography

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