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ORIGINAL PAPER

Improving health-related quality of life in middle-age children with cerebral palsy following selective percutaneous myofascial lengthening and functional physiotherapy

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KEYWORDS

Cerebral palsy; Functional physiotherapy; Health-related quality of life; Selective percutaneous myofascial lengthening

Abstract

Introduction and objectives: Children with cerebral palsy (CP) experience decreased health-related quality of life (HRQOL). This study aimed to assess the HRQOL of children with CP before versus after a combined program of minimally invasive selective percutaneous myofascial lengthening (SPML) and functional physiotherapy.

Material and methods: A single-group pre-posttest design was used. Twenty-six middle childhood children with spastic CP, aged 5–7 years, with Gross Motor Function Classification System levels II–IV underwent SPML surgery and 9 months of postoperative functional strength training therapy. The proxy version of the DISABKIDS-Smiley questionnaire was completed by one parent of each child. Dependent t-tests were used to compare mean pre- and post-measurement scores.

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