



## Effect of Functional Electrical Stimulation on Trunk Curvature in Spastic Quadriplegic Cerebral Palsied Children

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**Abstract: Background:** The purpose of this study was to examine the effect of FES therapy on trunk curvature in children suffering from spastic quadriplegic cerebral palsy. **Subject:** Thirty children ranging in age from 3.5 to 7 years. Were divided randomly into two groups of an equal numbers, control group which received selected physical therapy program and study group which received the same treatment program while receiving FES program for three successive months. **Methods:** Cobb's and kyphotic angles for each child was evaluated before and after three months of treatment by using Radiographic evaluations. The data were collected and analyzed using Independent t-tests and pairwise comparison tests to compare the difference between the results. **Results:** this study revealed that there were significant differences of the measured variables between the control and study groups **Conclusion:** FES therapy program has got clear effect when added to the treatment program in spastic cerebral palsy.

**Key Words:** cerebral palsy, Cobb's angle, kyphotic angle.

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