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## COMPARATIVE STUDY OF THERAPEUTIC RESPONSE TO PHYSIOTHERAPY WITH OR WITHOUT BOTULINUM TOXIN IN CEREBRAL PALSY INDUCED SPASTICITY

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**C**erebral palsy (CP) frequently produces motor disorders like spasticity. Addition benefits of add on botulinum toxin with physiotherapy is still a confusing decision for physicians. 140 patients were distributed equally in two groups: group I (physiotherapy alone) and group II (BTX-A with physiotherapy). For efficacy measurement three scales were used: 1) Modified Ashworth Scale for muscle tone, 2) Medical research council scale for muscle strength and 3) Barthel Index for ADL. In between group analysis, group I showed significantly greater improvement in muscle tone and lesser improvement in ADL as compare to group II. There was no significant difference in muscle strength improvement in both the groups (Group I, 1.31+0.07, 3.19+0.19, 66.21+2.31; Group II, 1.60+0.11, 3.54+0.15, 83.33+3.17 respectively). Combination of BTX-A with physiotherapy is better in terms of ADLs improvement but not in terms of muscle tone and muscle strength improvement compared to physiotherapy alone

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