



## Role of Autologus Bone Marrow derived Mononuclear cells (BMMNCs) in patients with cerebral palsy.

Cerebral palsy (CP) is a group of non-progressive, non-contagious motor conditions that cause physical disability in human development, chiefly in the various areas of body movement. The causes are quite varied and range from abnormalities of brain development to birth-related injuries to postnatal brain injuries. While the use of stem cell therapy is promising, studies in animals with experimentally induced strokes or traumatic injuries have indicated that benefit is possible. However, there are few controlled trials in patients with neurologic disorders which has opened the doors for the use of similar therapy in these patients. 3 doses of Bone Marrow derived Mononuclear cells ( $100 \times 10^6$ /dose) injected intrathecally at an interval of 21 days can give satisfactory results. Subjects can be assessed for their improvement in the following areas: Higher functions, reduction in spasticity, muscle power, mental and social behavior and overall functional abilities using applicable scales.

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