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## Early detection of infants at risk for Cerebral Palsy: What is the rational of early intervention?

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Cerebral palsy is caused due to non-progressive lesion or injury to developing brain. It has multiple causes and clinical manifestations, discussion on diagnosis and screening challenges. In the past, the diagnosis of cerebral palsy was largely a clinical diagnosis, with the development of imaging it has been recommended that clinical diagnosis of cerebral palsy should be confirmed by imaging. Early diagnosis is challenging, however, is extremely important as it provides opportunity early intervention. Recently, there is a renewed interest in the newborn qualitative assessment of general movements. This cost-effective diagnostic tool consists of observing the infant's spontaneous movements with promising results providing high specificity and sensitivity. Poor control of muscles and movement in children with cerebral palsy can be associated with a wide range of functional challenges. Traditional efforts to manage these motor disabilities have been directed at improving tone and promoting adequate motor patterns. Contemporary approaches to treatment are addressing muscle weakness as a common element of functional problems with encouraging results. Brain and muscle plasticity in response to specific types of therapy has been demonstrated in CP. The amazing developmental changes in the brain between preterm age and the age of 1-year post-term offer opportunities for early intervention. The goal of motor training is to optimize the development of skilled motor function. Fixed contractures are managed by lengthening of the muscle-tendon unit by the technique that delivers the safest and most effective surgical technique that will give an appropriate amount of lengthening of the muscle for the child in question. Given that cerebral palsy is early diagnosed in infancy and continues throughout an individual's lifetime. This disorder needs to be managed in the context of development, functioning with a family based and community integration.

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