

## **The Important of Nutritional Status in Rehabilitation of Children with CP: Saudi Perspective**

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**Abstract :** Malnutrition is a global epidemic, but the under-weight or Failure-To-Thrive risk is increasing in rehabilitation setting and considered one of the contribution factor for developmental delay. Beside the consequences of malnutrition on children growth and development, there are other side-effects that might delay or hold the progress of rehabilitation. The awareness for malnutrition must be raised and discussed by the rehabilitation team, to promote the treatment and to optimize the client care. The solution can start from food supplements intake and / or Enteral Nutrition plan, depending on the malnutrition level and to reach the goal, the medical team should to work together in order to provide comprehensive treatment and to help the family to be able to manage their child condition. We have explore the outcomes of rehabilitation between the children with CP whose diagnosed with malnutrition and children with normal body Wight Over a period of 4 months who received 4-6 weeks of rehabilitation two hours daily by using WeeFIM score to measure rehabilitation outcomes. WeeFIM measures and covers various domains, such as: self-care, mobility, locomotion, communication and other psycho-social aspects. Our findings reported that children with normal body Wight has better outcomes and improvement comparing with children with malnutrition for the entire study sample.

**Keywords :** Cerebral Palsy (CP), pediatric Functional Independent Measure (WeeFIM), rehabilitation, malnutrition

**Conference Title :** ICSRD 2020 : International Conference on Scientific Research and Development

**Conference Location :** Chicago, United States

**Conference Dates :** December 12-13, 2020