



No 4.  
**Case Study**

## Stephani Gharehptian, OTS University of Southern California

### **Purpose:**

To understand parent perception of progress of an individualized intensive model of therapy over the course of three weeks. The Canadian Measure of Occupational Performance (COPM) was utilized to gain an understanding of caregiver concerns related to areas of occupational performance and determine goals. The Impact of Feeding on the Parent and Family Scales (Feeding Impact Scale) was used to understand the impact of the patients feeding on the family and caregiver. Caregiver interviews were conducted to track perception of progress and satisfaction over the course of the 3-week intensive.

### **Intervention:**

A 7-year-old child with quadriplegic cerebral palsy participated in an intensive therapy program. The child's individualized treatment plan included three hours of physical and occupational therapies and one hour of feeding therapy, 5 days per week, for 3 weeks. In addition to therapeutic exercise and activities, modalities utilized include whole body vibration, neuromuscular electrical stimulation, NeuroSuit, dynamic motion orthosis, and body weight support system.

### **Findings:**

The patient made significant improvements in various areas including balance, postural control, motor planning, and pelvic and gluteal strength as reported by caregiver and through clinical observations from treating therapists. Additionally, improvements were seen during feeding therapy as patient showed increased participation during mealtime and decreased rigid behaviors by accepting different flavored foods and reducing length of screen time during feeding. Per caregiver report, the 3-week intensive program had a significant impact on overall functional performance.