

**CASE REPORT PROVIDED BY:**
ANA SESATTY, MDS, RDN, LD, CSP**PATIENT HISTORY:****Chief Diagnosis:**

Arthrogryposis multiplex congenital, short bowel syndrome and parenteral nutrition associated cholestasis

Secondary Diagnosis:

Autism spectrum disorder, asthma, subglottic stenosis, tracheomalacia, developmental delay, scoliosis, anxiety, ADHD, gastroschisis repair at birth, intestinal adhesions with history of partial obstruction, gastrostomy tube feedings, on total parenteral nutrition, dysphagia, GERD s/p nissen, s/p ileostomy closure, iron deficiency anemia and venous insufficiency

CASE HISTORY:

- **Reasons for tube feeding:** NPO, dysphagia, GI malabsorption, intolerance to solid foods by mouth, increased nutrient needs, and gradually weaning off TPN
- Supplement to parenterally
- Patient has been tube fed for 19 years

NUTRITION MANAGEMENT:

- **Type of previous formula:**
Milk-based polymeric peptide children's formula
- **Intolerances/reasons for switching:**
 - Chronic diarrhea, gagging and emesis
 - Not tolerating increases in rate and volume
 - Need to transition from pediatric to adult formula
- **Reasons for choosing Liquid Hope Peptide:**
 - Peptide based formula which is better for GI digestion and absorption
 - High calorie formula easier to meet calorie and protein needs with less volume
 - MCT lipids to optimize fat digestion and absorption to protect the liver
 - Free of dairy, corn and soy, no added sugars, and plant based formula providing better tolerance
 - High fiber content with main source insoluble fiber to manage chronic diarrhea
 - Whole food based with high quality ingredients
- **Additives/supplements to Liquid Hope Peptide:**
 - TPN: Cycle 10 hours, dextrose 80 gm/day, Travasol 10% 15 gm/day, calcium gluconate 9.1 mEq/day, sodium chloride 75.7 mEq/day, sodium acetate 51.6 mEq/day, potassium chloride 26 mEq/day, potassium acetate 22 mEq/day, magnesium sulfate 3 mEq/day, adult MVI 10 mL/day, selenious acid 50 mcg/day, zinc sulfate 2 mg/day, copper 0.43 mg/day, carnitine 300 mg/day, 1600 mL fluid
 - Supplements: Ferrous sulfate (300 mg/5 mL) 325 mg daily & Lansoprazole (30 mg) 1 tablet daily

METHOD OF DELIVERY	AMOUNT PER DAY	FEEDING RATE
G-tube via enteral pump	900 mL per day	56-60 mL/hr x 15-16 hours per day

INSIGHTS:

- Patient's bowel patterns regulated since starting Liquid Hope Peptide
- Liquid Hope Peptide contributed to a good overall tolerance and ability to gradually increase feeding rate and volume
- Liquid Hope Peptide is an excellent option for a variety of patients
- Patient continuing on Liquid Hope Peptide and shows consistent improvement across multiple clinical measures
- Recommending the use of Liquid Hope Peptide to other clinicians within my center

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