



CASE REPORT PROVIDED BY:
LAURA DORITY, MS, RD

PATIENT HISTORY:

Chief Diagnosis:

Refractory epilepsy

Secondary Diagnosis:

Mutation in IQSEC2 gene, global developmental delay, hypotonia, constipation, reflux

CASE HISTORY:

- **Reason for tube feeding:** Failed swallow study/feeding dysfunction with long history of feeding intolerance
- Sole source of nutrition
- Patient has been tube fed for 9 months

NUTRITION MANAGEMENT:

- **Type of previous formulas:**
 - Soy isolate pediatric nutritional formula (pre ketogenic diet)
 - Milk protein-based ketogenic polymeric formula (4:1 ratio)
 - Whey-based ketogenic polymeric formula (3:1 ratio)
- **Intolerances/reasons for switching:**
 - Continued emesis 2-3 times/week
 - Reflux daily
 - Constipation
- **Reasons for choosing Keto Peptide:**
 - Poor tolerance with the last 2 feedings/day compared to earlier feedings leading to the conclusion of likely delayed gastric emptying playing a role while on previous formulas
 - Attempted to provide more frequent feedings with less volume as well as a more calorically dense feeding so volume could be reduced without success while on previous formulas
- **Additives/supplements to Keto Peptide:**
 - Lite salt (¼ tsp/daily)
 - Complete vitamin (½ tablet/day)
 - Vitamin D drops (1000 IU/day)
 - Sodium bicarb tablets (2 tablets BID)

2.5:1 KETOGENIC RATIO		
METHOD OF DELIVERY	FEEDING SCHEDULE	FEEDING RATE
Bolus & pump options were made available	3 ounces of Keto Peptide + 5 ounces of water 4 times/day	If bolus - 90 mL Keto Peptide + 150 mL water as a flush 4 times/day If pump infused - 90 mL Keto Peptide + 120 mL water (210 mL total) and infuse at 210-420 mL/hr (30-60 minutes) and flush with 30 mL water 4 times/day

INSIGHTS:

- Patient able to achieve ketosis with tolerance of the Keto Peptide formula
- Patient's quality of life and comfort level have increased with reduced constipation and reflux
- Keto Peptide is an excellent option for a variety of patients including those with retractable epilepsy and those on a blenderized diet
- Patient will continue to use Keto Peptide
- Clinicians throughout my Keto center are now recommending the use of Keto Peptide with other patients

Functional Formularies' products are food products and are not intended to diagnose, treat, cure or prevent any disease. Individual results may vary. Functional Formularies does not claim that any individual experience described is typical or representative of what other consumers might experience.

