



CASE REPORT PROVIDED BY:
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PATIENT HISTORY:

Chief Diagnosis:

- Hypoxic Ischemic Injury
- Refractory Epilepsy

CASE HISTORY:

- **Reason for tube feeding:** Feeding dysfunction
- Sole source of nutrition
- Patient has been tube fed for 1 year
- Tracheostomy dependent
- New ketogenic diet start

NUTRITION MANAGEMENT:

- **Type of previous formula:**
 - Organic, whole food, plant-based formula
- **Reasons for choosing Keto Peptide:**
 - At baseline, the patient was on a whole food, plant-based formula that was well tolerated. Family wished to continue with this type of formula when initiating the ketogenic diet.
- **Transition to Keto Peptide:**
 - Patient was transitioned over 5 days as an inpatient planned admission
 - Day 1:** 1:1 ketogenic ratio
 - Day 2:** 2:1 ketogenic ratio
 - Day 3:** 3:1 ketogenic ratio
- **Additives/supplements to Keto Peptide:**
 - Whey protein powder to decrease ketogenic ratio to 2:1 and meet protein goals due to low caloric needs (hypocaloric)
 - Multivitamin with iron (1 tablet/day)
 - Calcium + vitamin D (1 tablet/day)
 - Salt (1/4 tsp/day)
 - Potassium bicarbonate powder (5 grams/day)

INSIGHTS:

- Keto Peptide is an excellent option for a variety of patients including patients initiating a ketogenic diet with low calorie needs
- Patient was an ideal candidate for Keto Peptide given baseline formula was also a whole food, plant-based product and family was already familiar with pump feedings with a thicker formula
- Patient was able to meet growth goals while receiving Keto Peptide
- Since initiation of a ketogenic diet with Keto Peptide, the patient has continued to show improvement in terms of alertness, vocalization, and progress in physical, occupational and speech therapy
- A seamless transition to Keto Peptide from a whole food, plant-based formula was achieved without issue over 5 days in an inpatient setting

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TRANSITION STEPS INPATIENT ADMISSION	
Baseline Formula & Schedule: <ul style="list-style-type: none"> • 1 pouch organic, whole food, plant-based formula mixed with 360 mL water to create - 720 mL total volume • 240 mL formula/water mixture 3 times/day (90 mL/hr) + 7 mL MCT oil 3 times/day • Additional water at the rate of 31 mL/hr overnight X 8 hours 	
Day 1: 1:1 Ketogenic Ratio <ul style="list-style-type: none"> • 190 grams organic, whole food, plant-based formula • 107 grams Keto Peptide • add water to create 500 mL total volume • 3 syringes of 3 mL MCT oil given as flush (not mixed with formula) 	Day 2: 2:1 Ketogenic Ratio <ul style="list-style-type: none"> • 60 grams organic, whole food, plant-based formula • 154 grams Keto Peptide • add water to create 500 mL total volume • 3 syringes of 4 mL MCT oil given as flush (not mixed with formula)
Day 3: 3:1 Ketogenic Ratio <ul style="list-style-type: none"> • 180 grams Keto Peptide • add water to create 500 mL total volume • 3 syringes of 4 mL MCT oil given as flush (not mixed with formula) 	Discharge Plan: 2:1 Ketogenic Ratio <ul style="list-style-type: none"> • 225 grams Keto Peptide • 5.7 grams whey-based protein powder • No water added to formula but given all as flushes to meet hydration needs
For Clarification Purposes: <ul style="list-style-type: none"> • 165 mL formula mixture (90 mL/hr)+3-4 mL MCT oil given as a flush 3 times/day • Additional water to meet hydration given as flushes throughout the day and overnight 	
Discharge Schedule: <ul style="list-style-type: none"> • 75 mL of Keto Peptide and whey-based protein powder mixture 3 times/day over 1 hour via feeding pump (75 mL/hr) • Water flushes: 40 mL/hr X 12 hours overnight (480 mL) + 400-500 mL water with medications daily 	

