Getting the Patient Ready for a Life of Home Parenteral Nutrition

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Disclosures

• None.
Clinician Steps

• Insurance Qualification for HPN
• Assessment of Fluid Requirements
• Assessment of Nutrient Requirements
• Electrolyte Adjustment
• Initiation of Cycled Infusion
• Home Monitoring Orders
Insurance Qualification

- Documenting Need
- Qualifying Conditions
- Coverage Differences
- Medicare Criteria
Assessing Fluid Requirements

- Maintenance (~30mL per kg)
- Fluid Losses (Vomiting, Diarrhea)
- Best Indicator = Urine Output
- Can Be Challenging
Assessing Nutrient Requirements

- Calories (~25 calories per kg)
- Protein (0.8 – 1.5 gm per kg)
- Micronutrients (MVI, MTE, Iron?)
- Adjustments (Weight, growth)
Electrolyte Adjustment

• Requirements Vary (Anatomy)
• Daily Inpatient Monitoring
• Na, K, Mg, Phos, CO2, Ca
• Stable 3 days min. for discharge
HPN Cycling

- 24 hr → 20 hr → 16 hr → 12 hr
- 24 hr → 18 hr → 12 hr
- Possibly shorter time?
- Consider: Volume, Glucose
Home Monitoring

- Electrolytes (Weekly, then taper)
- Fluid (Stool and Urine Volumes)
- Weight and Growth
- Nutrients (Iron, Vitamins, Trace)
Patient Preparation

- Technical Aspects
- Safety Education
- Potential Complication Awareness
- Living with a Central Line
- Oley Foundation

Thank you to Coram and BriovaRx
Technical Aspects

• Preparing a Work Area
• Aseptic Technique
• Priming Tubing
• Safe Syringe Usage and Disposal
• Pump Operation
Safety Education

• PN Storage and Handling
• Bag Inspection
• Hand washing
• Alcohol pad use
• Managing in a Power Outage
Complication Awareness
- Administration

- PN Separation or Precipitation
- Tubing Disconnection
- Catheters: (Break, Block, Move)
- Site Infection
- Air in Line
Complication Awareness
- Medical

- Hyperglycemia (High blood sugar)
- Hypoglycemia (Low blood sugar)
- Fever = Potential Sepsis
- Dehydration
- Fluid Overload
- Nutrition Imbalances (hair, skin, cramps, taste)
Living with A Central Line

- Showering
- Travelling
- Working
- Talking to Other HPN Consumers
- Connect with the Oley Foundation
Share your experiences