



# Paired Feeding Algorithm (for supplemental PN\* group only)

Nutrition Target = \_\_\_\_\_ ml/hr (EN/PN total)

Elevate HOB >45° where possible

- 1) Initiate standard EN (1.2 ± 0.2 kcal/ml formula) @ 25 ml/hr
- 2) Check GRV q4h
- 3) Follow EN Algorithm

- 1) Initiate PN @ 25 ml/hr (or higher rate)
- 2) Assess q4h

**q4h assessment**

Blood sugars <10\*\* mmol/L (180 mg/dL)?  
 PO<sub>4</sub> > 0.70\*\*? (repeat labs as medically indicated)  
 K<sup>+</sup> >3.0\*\*? (repeat labs as medically indicated)  
 GRV < 250ml ?

- 1) If GRV >250ml follow EN Algorithm & restart PN or ↑PN to previous hour's total combined nutrition rate (consider motility agents, small bowel feeding)
- 2) If ↓PO<sub>4</sub> or ↓K<sup>+</sup>, maintain PN & EN at current rate
- 3) Once electrolytes/blood sugars corrected continue to follow paired feeding protocol

- 1) ↑EN by ≤ 25ml according to nutrition target
  - 2) If not at nutrition target, ↑ PN by 25mls (or faster) If at target ↓ or hold PN to = nutrition target
  - 3) **DO NOT EXCEED NUTRITION TARGET**
  - 4) Assess q4h
- IF HOLDING PN, DO NOT DISCARD BAG AND TUBING UNTIL EXPIRES AS YOU MAY NEED TO RESTART IT**

Are you at the hourly target nutrition rate?

Is PN infusing?

- 1) Continue EN at same rate (nutrition target)
- 2) Check GRV q4h – follow EN Algorithm

- 1) ↑EN by ≤ 25mls & ↓ (or turn off) PN. **DO NOT EXCEED NUTRITION TARGET**
- 2) If at nutrition target rate, continue EN at same rate
- 3) Check GRV q4h – follow EN Algorithm

If EN is held for any reason (ie OR, procedure, no gastric tube) then ↑ or restart PN at previous hrs nutrition rate. When restarting EN, start at previous rate and ↓ or hold the PN. For questions, please call the project leader at 613-549-6666 ext 3830

\*PN refers to Olimel  
\*\* or according to local ranges