I. Assess fluid and caloric needs:

100 ml/kg/day (see Table 2)

Formula:

II. Carbohydrates:

\[
mg/kg/min = 0.69 \times Dextrose\% \times \frac{24 \times \text{Rate}}{\text{Kg}}
\]

Start: 4 to 6 mg/kg/min
Advance: 1 to 2 mg/kg/min
Goal: 12 mg/kg/min, 45% of calories

III. Protein:

Start: 0.5 to 1 g/kg/day
Advance: 0.5 to 1 g/kg/day
Goal: 2.5 to 3 g/kg/day 15% of calories

Formula for proteins and lipids:

\[
g/kg/day = (\text{Conc.}) \times 0.24 \times \text{Rate} \times \frac{1}{\text{Kg}}
\]

IV. Lipids:

Start: 0.5 to 1 g/kg/day
Advance: 0.5 to 1 g/kg/day
Goal: 3 g/kg/day 40% of calories

V. Additives:
- Vitamins; Trace Elements; Electrolytes; Minerals
  - Evaluate lab values: Adjust additives
  - Add extra sodium, acetate and zinc with increased stool output
  - Adjust chloride/acetate ratio based on acid/base status
  - Adjust calcium/phosphate ratio based on ppt. factor

Formula: precipitation factor

\[
\text{PN volume (ml)}
\]

VI. Nutritional Goal:

80 to 105 Kcal/kg/day

Formula:

\[
\text{Calories delivered (Kcal/kg/day)} = \frac{24 \times \text{(Rate)} \times \text{(Kcal/ml)}}{\text{Kg}}
\]