



NUTRITION SUPPORT CALCULATION TUTORIAL

Calculating PN Provision based on Stock Solutions

Repeat formulae 100 ml of 20% dextrose, 200 ml of 20%
Calculate total energy and volume

Have grams protein, need to calculate

- Dextrose = 100g
- Lipids = 25g
- Protein = 10g

SCENARIO

40-year-old male, admitted with acute pancreatitis & pseudocyst

Needs Assessed:
1800 kcal = 90 g protein

Anthropometrics

- Actual weight 75 kg
- Height 67 inches
- Patient assessed with values
- BMI 16.4
- 10-120
- 1000-200



200g dextrose x 1000g / 1000 ml = 200g / 1000 ml = 0.2g

• Lipid Infusion Rate:

40 g lipid / 75 kg / 24 hrs = 0.208 g/kg/d

Nutrition Assessment Calculations & Conversions

Pounds to kg – divide by 2.2

PN Practice Calculation Scenario



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Nutrition Guide Tutorial

Chao Zhang



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