



NUTRITION SUPPORT CALCULATION TUTORIAL

Calculating PN Provision based on Stock Solutions

Repeat formulae 100 ml of 20% dextrose, 200 ml of 20% dextrose 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

Anticipations

- Actual weight 75 kg
- Height 67 inches
- Partners advised both values
- 80 kcal
- 10-12g
- approx 20g



200g dextrose x 1000 / 1000 ml / 75 kg = 2.67

- Lipid Infusion Rate:
40 g lipid / 75 kg / 24 hrs = 0.222 g/kg/d

Nutrition Assessment Calculations & Conversions

Pounds to kg - divide by 2.2

154
300
150 lbs

PN Practice Calculation Scenario



<https://nutritionstudysupport.com>

Tutorial Nutrition Guide

**Food and Nutrition Information and
Educational Materials Center (U.S.)**



Tutorial Nutrition Guide:

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