



# NUTRITION SUPPORT CALCULATION TUTORIAL

## Calculating PN Provision based on Stock Solutions

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

Have grams protein, need to calculate

- Dextrose = 100g
- Lipids = 250g
- 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
- 80 kcal
- 10-12g
- 2000-2500



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

154  
300  
150 lbs = 68 kg

## PN Practice Calculation Scenario



<https://nutritionstudysupport.com>

# Tutorial Nutrition Guide

**D Keegan**



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