



# 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,  
castrated with acute  
pancreatitis &  
pneumocyst

Needs Assessed:  
1500 kcal = 90 g protein

#### Anthropometrics

- Actual weight 75 kg
- Height 67 inches
- Patient assessed with values
- 80 kcal
- 10-12g
- 2000 kcal



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

## PN Practice Calculation Scenario



# Tutorial Nutrition Guide

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



## **Tutorial Nutrition Guide:**

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## **Table of Contents Tutorial Nutrition Guide**

1. Understanding the eBook Tutorial Nutrition Guide
  - The Rise of Digital Reading Tutorial Nutrition Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Tutorial Nutrition Guide
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Tutorial Nutrition Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Tutorial Nutrition Guide
  - Personalized Recommendations
  - Tutorial Nutrition Guide User Reviews and Ratings
  - Tutorial Nutrition Guide and Bestseller Lists
5. Accessing Tutorial Nutrition Guide Free and Paid eBooks
  - Tutorial Nutrition Guide Public Domain eBooks
  - Tutorial Nutrition Guide eBook Subscription Services
  - Tutorial Nutrition Guide Budget-Friendly Options

6. Navigating Tutorial Nutrition Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Tutorial Nutrition Guide Compatibility with Devices
  - Tutorial Nutrition Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Tutorial Nutrition Guide
  - Highlighting and Note-Taking Tutorial Nutrition Guide
  - Interactive Elements Tutorial Nutrition Guide
8. Staying Engaged with Tutorial Nutrition Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Tutorial Nutrition Guide
9. Balancing eBooks and Physical Books Tutorial Nutrition Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Tutorial Nutrition Guide
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Tutorial Nutrition Guide
  - Setting Reading Goals Tutorial Nutrition Guide
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Tutorial Nutrition Guide
  - Fact-Checking eBook Content of Tutorial Nutrition Guide
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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