



# 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:  
1500 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 to kg

## PN Practice Calculation Scenario



# Tutorial Nutrition Guide

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## **Tutorial Nutrition Guide:**

Catalog. Supplement - Food and Nutrition Information and Educational Materials Center Food and Nutrition Information and Educational Materials Center (U.S.), **Grade 4 Know Your Body Teacher's Guide** Institute For Cancer Prevention,2000-06 *Food and Nutrition Information and Educational Materials Center catalog* Food and Nutrition Information Center (U.S.),1976 **Directory of Food and Nutrition Information for Professionals and Consumers** Robyn C. Frank,Holly Berry Irving,1992 Emphasizes nutrition education food science food service management and related aspects of applied nutrition Part I has chapters on organizations that provide information services and or resources on food and nutrition academic programs software and databases Part II is composed of annotated bibliographic entries and lists of organizations Intended to assist nutritionists dietitians health professionals educators librarians and consumers in identifying sources of food and nutrition information Catalog Food and Nutrition Information Center (U.S.),1974 **Resources in Education** ,1991-08 **Guide for the Homemaker's Course** ,1977 *The Trained Nurse and Hospital Review* ,1922 A monthly magazine of practical nursing devoted to the improvement and development of the graduate nurse **The 1984 Educational Software Preview Guide** ,1984 Educators Guide to Free Internet Resources Educators Progress Service,2007-05 To provide our customers with a better understanding of each title in our database we ask that you take the time to fill out all details that apply to each of your titles Where the information sheet asks for the annotation we ask that you provide us with a brief synopsis of the book This information can be the same as what may appear on your back cover or an entirely different summary if you so desire **Macoupin County Farmers' Guide** ,1923 **Nutrition Education Resource Guide** ,1982 Abstract A resource guide lists evaluated nutrition education materials available nationwide with special emphasis for the Women Infants and Children and the Commodity Supplementary Foods Programs The format is designed to assist selecting acquiring and developing materials accurate and appropriate for WIC CSFP participants Every entry consists of an abstract descriptors and an appraisal plus information on format cost and availability a reading level based on Edward Fry s Readability Formula that Saves Time is given for most printed materials listed Two appendices provide the guidelines used to evaluate the materails and the evaluation work sheets kbc Nursing World ,1922 **Guide to Literature of Home and Family Life** Annie Isabel Robertson,1924 Directory of Food and Nutrition Information Services and Resources Robyn C. Frank,1984 Directory intended to assist nutritionists and other interested professionals as to sources of food and nutrition information Emphasis is on management education food science and related aspects of applied nutrition Arranged under nine chapters dealing with such topics as databases reference materials and organization and agencies Each entry gives discription Subject geographical organization and program indexes *Indiana Farmer's Guide* ,1921 **Simplified Diet Manual Study Guide** Iowa. State Department of Health. Nutrition Section,1967 **Food Lessons for Nutrition Classes** Mary Swartz Rose,1922 **Virginia State Publications in Print** ,1990 **Virginia**

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