



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:
1500 kcal = 90 g protein

Anthropometrics

- Actual weight 75 kg
- Height 67 inches
- Patient assessed with values
- 80 kcal
- 10-12g
- 1000-200



200g dextrose x 1000 / 1000 ml = 200g

- 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



Nutrition Guide Tutorial

Sebastian Brünink



Nutrition Guide Tutorial:

Handbook of Nutrition and Food Carolyn D. Berdanier, Johanna T. Dwyer, David Heber, 2016-04-19 The new edition of the Handbook of Nutrition and Food follows the format of the bestselling earlier editions providing a reference guide for many of the issues on health and well being that are affected by nutrition Completely revised the third edition contains 20 new chapters 50 percent new figures A comprehensive resource this book is a reference guide for many of the issues on health and well being that are affected by nutrition Divided into five parts the sections cover food including its composition constituents labeling and analysis nutrition as a science covering basic terminology nutritional biochemistry nutrition and genetics food intake regulation and micronutrients nutrient needs throughout the human life cycle assessment of nutrient intake adequacy and clinical nutrition from assessments to a wide variety of disease and health topics

Life Cycle Nutrition for Public Health Professionals Kyle L. Thompson, M. Margaret Barth, Melissa D. Gutschall, 2024-01-20 Life Cycle Nutrition for Public Health Professionals is the first textbook using a public health approach and population focused lens to explore nutrition across each life cycle phase It provides the basic principles of normal nutrition across each developmental phase in the life course along with the foundational knowledge of key determinants challenges and outcomes among communities and populations within each nutrition phase Using the Public Health 3 0 framework as a guide the text illustrates how evidence based public health nutrition programs can improve individual and population health This comprehensive text contains chapters spanning every major life cycle phase from preconception and pregnancy through older adulthood It covers optimal growth and development health promotion and prevention topics public health nutrition issues social determinants of health and examples of evidence based public health nutrition programs and policies in the United States and around the globe Major public health nutrition themes found in life cycle phases are discussed including food security life stage issues in vulnerable populations maternal and child health childhood obesity chronic disease prevention optimal aging public health nutrition emergency management issues related to health communication and health education as well as economic impacts of poor public health nutrition With a strong emphasis on evidence based practice and cultural competencies and featuring case studies discussion questions and learning activities in each chapter Life Cycle Nutrition for Public Health Professionals is a unique engaging and essential resource

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