

# Module 2 Case Studies

## Directions:

- Worth 30 points total.
- Download the attached handout and follow the directions provided.
- Please be succinct in your responses. There is no short answer response that requires more than 2-3 sentences.
- To submit your answers for grading, complete the "Module 1 Case Study Submission" following the directions.

## HDNF Case Study:

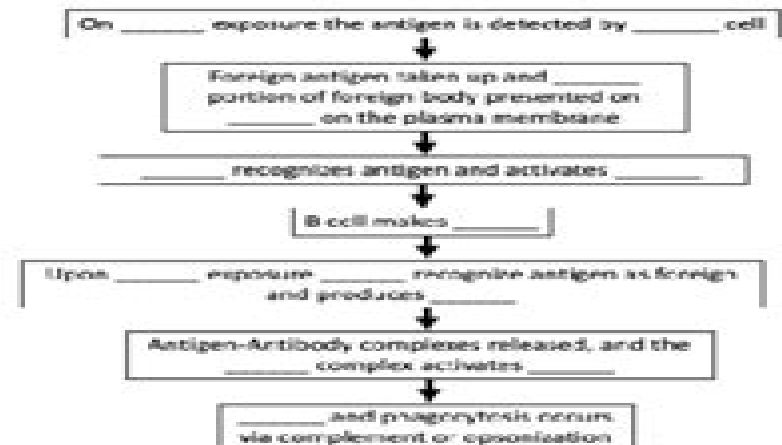
**Background:** Susan's blood type is B-. Her first pregnancy is without complications, she gives birth to a baby, Toby, with B+ blood type. A few years later, Susan enjoys another uncomplicated pregnancy and gives birth to her second child, Katie, who has B- blood type. Susan's 3<sup>rd</sup> pregnancy is more complicated, and she gives birth to another baby girl, Cindy, upon examination appears swollen, pale, and in respiratory distress at birth. Further examination uncovers a swollen liver and spleen and heart irregularities. Shortly after the birth Cindy develops severe jaundice and is diagnosed with Hemolytic Disease of a Newborn (HDN).

## Questions

1. What are Cindy's signs and/or symptoms? (Differentiate them)
  - A. Swollen liver and spleen \_\_\_\_\_
  - B. Heart irregularities \_\_\_\_\_
  - C. Jaundice \_\_\_\_\_
  - D. Respiratory distress \_\_\_\_\_
  - E. Pale \_\_\_\_\_
2. Why type of hypersensitivity reaction is responsible for Cindy's HDN?
  - A. Type 1
  - B. Type 2
  - C. Type 3
  - D. Type 4

3. Fill in the flowchart to explain the pathogenesis of this type of hypersensitivity. Note some words in the word bank may be used more than once.

**Word Bank:** B cell, first, lysis, Fc region, phagocytized, T helper 2 cell, B cell, IgG or IgM, MHC2, second, complement, APC, autoimmune antibodies



# Pathophysiology Case Study Questions

**Alan Stevens (MRCPath.), James  
Steven Lowe**



## **Pathophysiology Case Study Questions:**

*Pathophysiology Case Studies* Hon-Vu Q Duong, Nina Marcellus, 2020-07-13      *ANAC's Core Curriculum for HIV / AIDS Nursing* Association of Nurses in AIDS Care (ANAC), 2010-10-22 The Association of Nurses in AIDS Care ANAC presents the essential information needed by every nurse working with HIV AIDS patients in any setting The text provides an educational framework for HIV AIDS clinical content and serves those preparing for specialty certification in HIV AIDS training The text covers A Infection transmission and prevention B Clinical management of a variety of patient types C Symptomatic conditions and symptom management D Special populations E Psychosocial concerns for patients ANAC's Core Curriculum for HIV AIDS Nursing Third Edition includes the following new topics Updates to the evidence basis underlying the nursing care of persons with HIV AIDS New issues and challenges including the care for pediatric patients and adults with giardia syphilis and bipolar disease New text features including case studies and quizzes      *Pathophysiology Case Studies* Sharon L. Sims, Donna L. Boland, 1990      **Hematologic and Reticuloendothelial Pathology and Pathophysiology Case Studies** Richert E. Goyette, Harlan J. Spjut, 1976      **NSCA's Essentials of Training Special Populations** NSCA-National Strength & Conditioning Association, Jacobs, Patrick, 2017 NSCA's Essentials of Training Special Populations is an ideal preparatory guide for those seeking CSPS certification The book is also a practical reference for exercise professionals who work with clients with various conditions and disorders      **Digestive and Hepatobiliary Pathology and Pathophysiology Case Studies** Richert E. Goyette, Harlan J. Spjut, 1977      **Renal, Genitourinary and Breast Pathology and Pathophysiology Case Studies** Richert E. Goyette, 1976      **Case Studies in Pathology** Alan Stevens (MRCPath.), James Steven Lowe, 1995 This text examines 80 cases in pathology that are designed to foster the appropriate kind of thinking which will be expected of the student in a professional environment Each case study is cross referenced to the parent text Pathology ISBN 0 397 44764 7 and questions and answers are included      **Pharmacotherapy Casebook** Terry L. Schwinghammer, Julia M. Koehler, 2011-08-05 More than 150 cases help you develop the problem solving and decision making skills necessary to succeed in real world clinical practice Pharmacotherapy Casebook provides the case studies you need to learn how to identify and resolve drug therapy problems you're most likely to encounter in real world practice This new edition is packed with 157 patient cases and makes the ideal study companion to the eighth edition of DiPiro's Pharmacotherapy A Pathophysiologic Approach The case chapters in this book are organized into organ system sections that correspond to those of the DiPiro textbook By reading the relevant chapters in Pharmacotherapy A Pathophysiologic Approach you will be able to familiarize yourself with the pathophysiology and pharmacology of each disease state included in this casebook Everything you need to develop expertise in pharmacotherapy decision making Realistic patient presentations include medical history physical examination and laboratory data followed by a series of questions using a systematic problem solving approach Compelling range of cases from the uncomplicated a single disease state to the complex multiple disease states and drug related

problems Diverse authorship from more than 190 clinicians from nearly 100 institutions Coverage that integrates the biomedical and pharmaceutical sciences with therapeutics Appendices containing valuable information on pharmacy abbreviations laboratory tests mathematical conversion factors anthropometrics and complementary and alternative therapies Case Studies in Trauma Nursing Robert H. Welton, Kathy Ann Shane, 1990 Pulmonary Pathophysiology Gerard J. Criner, Gilbert E. D'Alonzo, 1999-03-19 A book for every major organ system Clinical cases integrate organ system pathophysiology Board style questions at the end of each chapter Treatment and management of common diseases Illustrations clarify difficult concepts Used for course supplement and board review **Respiratory Care Case Studies: 90 case histories with examination questions representing features and care of respiratory diseases** Thomas J. DeKornfeld, Jay S. Finch, 1976 **Pathophysiology** Carol Mattson Porth, 1993-12 This is the Seventh Edition of the comprehensive and well respected text and reference of pathophysiology As a nurse physiologist Carol Porth uniquely emphasizes concepts of altered health states as opposed to factual descriptions of diseases and disorders By taking this physiologic approach the author ensures a comprehension of the whole of body function By integrating all of the aspects of the human body into a total functional whole the student can grasp both the physical and psychological aspects of altered health A back of book CD ROM includes three dimensional animations of pathophysiology *Cardiopulmonary Pathology and Pathophysiology Case Studies* Richert E. Goyette, 1976 **Amputations and Prosthetics** Bella J. May, 1996 A case based text now with terminology consistent with the APTA's Guide to Physical Therapist Practice uses a holistic approach to the management of individuals with amputations Concise yet comprehensive it discusses traumatic amputations juvenile amputees and the management of individuals with peripheral vascular diseases The 2nd Edition reviews the latest technological advances in prosthetic fabrication and provides information on relevant websites *Cardiovascular Pathophysiology* Fred M. Kusumoto, 1999-10-25 Gastrointestinal and Hepatobiliary Pathophysiology conforms to the movement in medical education towards embracing the integration of information and incorporating the skills of knowledge acquisition and problem solving into the learning process Along with providing a brief review of the normal structure and function of the gastrointestinal tract this text offers state of the art information about the pathophysiologic basis of gastrointestinal and hepatobiliary diseases Although designed as a preclinical text all medical students will find it a useful guide as they move from the study of the basic sciences and begin to address clinical situations The book will also be useful for house officers fellows and practitioners of internal medicine and family medicine as well as for gastroenterologists and hepatologists **Pharmacology - E-Book** Linda E. McCuiston, Jennifer J. Yeager, Mary Beth Winton, Kathleen DiMaggio, 2017-02-17 Get the right dosage of pharmacology content to succeed on the NCLEX and as a professional nurse with Pharmacology A Patient Centered Nursing Process Approach 9th Edition Using a streamlined prototype approach and an emphasis on nursing care this text makes it easy for today's nursing students to better understand the complicated

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**First Aid for the USMLE Step 1, 2003** Vikas Bhushan, Chirag Amin, Tao Le, 2003

**Physiology** Linda S. Costanzo, 2006 BRS Physiology Cases and Problems Second Edition includes 56 case based problems and questions that encourage medical students to integrate problem solve and think critically Organized by body system each chapter provides case studies questions and problems followed by complete explanations and solutions including diagrams graphs and charts The book contains most relevant medical physiology and pathophysiology information and integrates complex information across organ systems It is helpful for traditional course material and a valuable tool for a clinical vignette review in preparation for the USMLE Step 1 exam This revised and updated edition includes new cases and more illustrations

*Pathology: A Modern Case Study* Howard Reisner, 2014-09-22

A unique case based molecular approach to understanding pathology Pathology A Modern Case Study is a concise focused text that emphasizes the molecular and cellular biology essential to understanding the concepts of disease causation The book includes numerous case studies designed to highlight the role of the pathologist in the team that provides patient care Pathology A Modern Case Study examines the role of anatomic clinical and molecular pathologists in dedicated chapters and in descriptions of the pathology of specific organ systems Features Coverage of pathology focuses on modern approaches to common and important diseases Each chapter delivers the most up to date advances in pathology Learning aids include

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