

## Chapter 36

- **Assessment of the Hematologic System**
- Overview
- The priority concepts for this chapter are
  - **Perfusion**—total arterial blood flow through the tissues (peripheral perfusion) and blood that is pumped by the heart (central perfusion)
  - **Clotting**—complex, multi-step process by which blood forms a protein-based structure (clot)

### Anatomy and Physiology Review

- **Bone marrow**- Responsible for blood formation by producing RBCs, WBCs, and platelets.
- **Blood components**
  - Plasma (albumin, globulins, fibrinogen)
  - Red blood cells (erythrocytes)
  - White blood cells (leukocytes)
  - Platelets (thrombocytes)
- **Accessory organs of blood formation**
  - Spleen- immunity decreases/ risk for infection
  - Liver

### Hemostasis and Blood Clotting

- Hemostasis: Multi-stepped process of controlled blood clotting
- Platelet aggregation
- Blood clotting
  - Extrinsic clotting pathway
  - Intrinsic clotting pathway
- Anticlotting Forces

### Hematologic Changes Associated with Aging

- Decrease in blood volume with lower levels of plasma proteins
- Bone marrow produces fewer blood cells
- Total RBC, WBC counts lower
- Lymphocytes are less reactive to antigens, and lose immune function
- Hemoglobin levels fall after middle-age

# Medsurg Study Guide Iggy

**Donna D. Ignatavicius, M. Linda  
Workman**



## **Medsurg Study Guide Iggy:**

*Study Guide for Medical-Surgical Nursing - E-Book* Donna D. Ignatavicius, Linda A. LaCharity, M. Linda Workman, 2020-11-03 Get a thorough review of medical surgical nursing Concepts and Exemplars while developing your clinical judgment skills Corresponding to Medical Surgical Nursing Concepts for Interprofessional Collaborative Care 10th Edition from Ignatavicius Workman Rebar and Heimgartner this Study Guide is thoroughly revised with a fresh emphasis on the Concepts and Exemplars featured in the textbook It adds application level NCLEX Exam style questions and exercises new NCLEX alternate item questions and a completely new collection of Case Studies to prepare you for the Next Generation NCLEX Examination With this practical study guide you will prepare for NCLEX success and build the clinical reasoning skills you need for safe effective nursing practice Complete review of textbook content builds students clinical nursing judgment skills and enhances their ability to make safe and effective clinical decisions UNIQUE Focus on interprofessional collaboration provides tips for coordinating care with other health professionals and includes application of IPEC's Core Competencies for Interprofessional Collaborative Practice Answer Key follows each chapter and adds new in depth rationales for improved self study and remediation UNIQUE Unparalleled emphasis on NCLEX Exam style questions includes multiple choice and multiple select formats familiarizing students with all NCLEX question formats to better prepare them for the NCLEX Examination UNIQUE Emphasis on the textbook's Concepts and Exemplar disorders focuses students on key medical surgical nursing concepts and how they are exemplified in common disorders NEW and UNIQUE Focus on Concepts and Exemplars reflects the conceptual emphasis of the Ignatavicius textbook NEW Higher percentage of application level NCLEX Exam style questions is distributed throughout the chapters plus additional NCLEX alternate item formats to help students develop clinical nursing judgment NEW Completely new collection of Next Generation NCLEX style Case Studies to develop students clinical judgment skills and begin to prepare them for the Next Generation NCLEX Exam NGN NEW Detailed rationales in Answer Keys now following each chapter are provided for questions above the Knowing level of Bloom's taxonomy for improved remediation and development of clinical nursing judgment consistent with the NGN NEW Updated content throughout matches the 10th edition of the Ignatavicius textbook for more efficient study of essential medical surgical nursing knowledge

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Heimgartner, 2020-11-17 Make this thoroughly updated concise guide your go to reference for medical surgical clinicals

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## **Table of Contents Medsurg Study Guide Iggy**

1. Understanding the eBook Medsurg Study Guide Iggy
  - The Rise of Digital Reading Medsurg Study Guide Iggy
  - Advantages of eBooks Over Traditional Books
2. Identifying Medsurg Study Guide Iggy
  - 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 Medsurg Study Guide Iggy
  - User-Friendly Interface
4. Exploring eBook Recommendations from Medsurg Study Guide Iggy
  - Personalized Recommendations
  - Medsurg Study Guide Iggy User Reviews and Ratings
  - Medsurg Study Guide Iggy and Bestseller Lists
5. Accessing Medsurg Study Guide Iggy Free and Paid eBooks
  - Medsurg Study Guide Iggy Public Domain eBooks
  - Medsurg Study Guide Iggy eBook Subscription Services

- Medsurg Study Guide Iggy Budget-Friendly Options
- 6. Navigating Medsurg Study Guide Iggy eBook Formats
  - ePub, PDF, MOBI, and More
  - Medsurg Study Guide Iggy Compatibility with Devices
  - Medsurg Study Guide Iggy Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Medsurg Study Guide Iggy
  - Highlighting and Note-Taking Medsurg Study Guide Iggy
  - Interactive Elements Medsurg Study Guide Iggy
- 8. Staying Engaged with Medsurg Study Guide Iggy
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Medsurg Study Guide Iggy
- 9. Balancing eBooks and Physical Books Medsurg Study Guide Iggy
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Medsurg Study Guide Iggy
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Medsurg Study Guide Iggy
  - Setting Reading Goals Medsurg Study Guide Iggy
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Medsurg Study Guide Iggy
  - Fact-Checking eBook Content of Medsurg Study Guide Iggy
  - 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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