

Anatomy and Physiology II

Chapter 19- Blood

The cardiovascular system

- Provides a mechanism for rapid transport of nutrients, waste products, respiratory gasses, and cells
- Heart, blood vessels, blood
- About 5L of blood (7% x weight in Kg (estimate))
- Closed system

Blood

- Fluid connective tissue (from the mesoderm)
- Blood cells=formed elements
 - Formed elements are cells (white blood cells and red blood cells)
- Blood+formed elements + plasma (noncellular)
 - Serum- plasma without clotting factors
- **5 functions of blood**
 - Regulate body temperature (blood is warmer than body temperature)
 - Maintain pH
 - Maintain ionic composition of the body
 - Necessary for clotting
 - Defends body from pathogens and toxins (antibodies; white blood cells)
 - Transport of nutrients, metabolic waste, and gasses

Anatomy And Physiology Chapter 19 Blood

Saladin



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Anatomy & Physiology Frederic H. Martini, Frederic Martini, 2005 *Principles of Anatomy and Physiology* Gerard J. Tortora, Bryan H. Derrickson, 2018-05-15 The phenomenally successful *Principles of Anatomy and Physiology* continues to set the discipline standard with the 15th edition Designed for the 2 semester anatomy and physiology course *Principles of Anatomy and Physiology* combines exceptional content and outstanding visuals for a rich and comprehensive classroom experience Enhanced for a digital delivery the 15th edition gives students the ability to learn and explore anatomy and physiology both inside and outside of the classroom **Anatomy and Physiology** Mr. Rohit Manglik, 2024-03-08 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels *Anatomy and Physiology* Gail Jenkins, Gerard J. Tortora, 2016-05-03 Researchers and educators agree that it takes more than academic knowledge to be prepared for college intrapersonal competencies like conscientiousness have been proven to be strong determinants of success WileyPLUS Learning Space for Anatomy Physiology helps you identify students proficiency early in the semester and intervene as needed Developed for the two semester course Anatomy Physiology is focused on aiding critical thinking conceptual understanding and application of knowledge Real life clinical stories allow for a richer investigation of content ensuring that students understand the relevance to their lives and future careers Essentials of Anatomy and Physiology Valerie C Scanlon, Tina Sanders, 2018-10-24 Tried and true build A P confidence every step of the way Here s the approach that makes A P easier to master A student friendly writing style superb art program and learning opportunities in every chapter build a firm foundation in this must know subject to ensure success **E-book: Human Anatomy** Saladin, 2016-04-16 E book Human Anatomy **Gastroenterology and Hepatology** Stephen Inns, Anton Emmanuel, 2016-05-02 *Gastroenterology and Hepatology Lecture Notes* is a comprehensive yet easy to read overview of luminal gastroenterology and hepatology Covering the epidemiology causes clinical features investigation treatment and prognosis of all the main gut and liver conditions it is ideal for both exam preparation and fact finding Key features include A full range of new illustrations including clinical photographs and scans that clearly demonstrate signs and symptoms Sections on anatomy physiology pharmacology and epidemiology written to enhance understanding of clinical features Essential information highlighted throughout the text Case based self assessment for each chapter helps retention of knowledge and puts it in its clinical context A new section of best answer MCQs New chapters on inflammatory bowel disease and different diagnosis of the upper GI tract Includes a companion website at www.lecturenoteseries.com/gastroenterology featuring 16 in depth case studies Whether learning the basics of the gastrointestinal system starting a general medical or gastroenterological placement or looking for a quick reference overview to revise key concepts *Gastroenterology and*

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