Chapter 11: Cardiovascular System

1.1 The Heart

- Consists of the heart, blood vessels, and blood.
- This system has 3 main functions:
 - Transport of nutrients, oxygen, hormones to all cells and removal of metabolic wastes
 - Protection of the body by WBCs that circulate in the blood and defend the body against foreign microorganisms. It also has a clotting mechanism
 - 3. Regulation of body temperature
- It involves 2 separate circuits:
 - 1. Pulmonary circuit
 - 2. Systemic circuit







Review Answer Cardiovascular System

Gerard J. Tortora, Bryan H. Derrickson

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cardiovascular Physiology Concepts Richard Klabunde, 2011-11-03 Now in its second edition this highly accessible monograph lays a foundation for understanding of the underlying concepts of normal cardiovascular function Students of medicine and related disciplines welcome the book s concise coverage as a practical partner or alternative to a more mechanistically oriented approach or an encyclopedic physiology text A focus on well established cardiovascular principles reflects recent widely accepted research from the field Cardiovascular Physiology Concepts Richard E. Klabunde, 2005 This uniquely readable compact and concise monograph lays a foundation of knowledge of the underlying concepts of normal cardiovascular function Students welcome the book s broad overview as a practical partner or alternative to a more mechanistically oriented approach or an encyclopedic physiology text Especially clear explanations ample illustrations a helpful glossary of terms tutorials and chapter opening learning objectives provide superb guidance for self directed learning and help fill the gap in many of today s abbreviated physiology blocks A focus on well established cardiovascular principles reflects recent widely accepted cardiovascular research The supplemental CD ROM is an interactive dynamically linked version of the book which is organized by normal cardiovascular function and cardiac disease Students may begin a path of questioning with for example a disease condition and then pursue background information through a series of links Students can also link to the author's regularly updated Web site for additional clinical information

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alongside text discussions Concrete real life coding examples help you apply important coding principles and practices to actual scenarios from the field Over 500 total illustrations of medical procedures or conditions help you understand the services being coded Four coding guestion variations develop your coding ability and critical thinking skills One answer blank for coding questions that require a one code answer Multiple answer blanks for coding questions that require a multiple code answer Identifiers next to the answer blank's to guide you through the most difficult coding scenarios Answer blanks with a preceding symbol 3 interlocking circles indicates that the user must decide the number of codes necessary to correctly answer the question In text exercises Quick Checks and Toolbox features reinforce coding rules and concepts emphasize key information and test your retention and understanding From the Trenches Coding Shots Stop Caution Check This Out and CMS Rules boxes offer valuable up to date tips and advice for working in today s medical coding field Coder s Index makes it easy to instantly locate specific codes Practice activities on the companion Evolve website reinforce key concepts from the text Updated content presents the latest coding information so you can practice with the most current information available **Introduction to the Human Body, 11th Edition EMEA Edition** Gerard J. Tortora, Bryan H. Derrickson, 2019-02 A comprehensive approach to learning anatomy and physiology This updated edition offers a balanced introduction to the complexities of the human body Class tested pedagogy and figures are seamlessly woven into the narrative to ensure that students gain a solid understanding of the material Outstanding visual elements provide students with greater clarity and a more engaging learning experience of the structure functions and organ systems of the body Step-by-Step Medical Coding, 2013 Edition - E-Book Carol J. Buck, 2012-12-14 Take your first step Publisher s description toward a successful career in medical coding with comprehensive coverage from the most trusted source in the field Step by Step Medical Coding 2013 Edition is the practical easy to use resource that shows you exactly how to code using all of today s coding systems In depth step by step explanations of essential coding concepts are followed by practice exercises to reinforce your understanding In addition to coverage of reimbursement ICD 9 CM CPT HCPCS and inpatient coding the 2013 edition offers complete coverage of the ICD 10 CM diagnosis coding system in preparation for the eventual transition No other text on the market so thoroughly prepares you for all coding sets in one source Dual coding in Units 4 and 5 where both ICD 10 and ICD 9 answers are provided for every exercise chapter review and workbook question ensures you can code using the systems of both today and tomorrow Complete coverage of the new ICD 10 code set in Unit 2 prepares you for the eventual transition from ICD 9 to ICD 10 Official Guidelines for Coding and Reporting boxes in Units 2 3 and 5 present the official outpatient and inpatient guidelines alongside text discussions Concrete real life coding examples help you apply important coding principles and practices to actual scenarios from the field Over 500 total illustrations of medical procedures or conditions help you understand the services being coded Four coding question variations develop your coding ability and critical thinking skills One answer blank for coding questions that require a one code answer Multiple answer blanks for

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