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References; Chapter 2 Introduction to Principles of Pharmacology; 2.1 Overview; 2.2 Definitions and History; 2.2.1 What Is Pharmacology?; 2.2.2 Definitions of Related Terms; 2.2.3 A Brief History of Pharmacology  
2.3 Pharmacological Paradigm: the Central Dogma in Pharmacology  
2.3.1 Drug Names, Sources, Preparations, and Administration; 2.3.2 Pharmacokinetics; 2.3.3 Pharmacodynamics; 2.3.4 Drug Toxicity; 2.3.5 Pharmacogenetics and Pharmacogenomics; 2.4 Principles of Drug Discovery, Development, and Regulation; 2.4.1 Definitions; 2.4.2 The Paradigm of Drug Creation and Survival; 2.4.3 The FDA Drug Review and Approval Process; 2.5 Pharmacology Subspecialties; 2.6 Introduction to Cardiovascular Pharmacology; 2.6.1 Definition and Scope; 2.6.2 New Developments and Challenges  
2.6.3 Systems Pharmacology in the Management of Cardiovascular Diseases  
2.6.4 Polypill for the Management of Cardiovascular Diseases; 2.6.5 Protein Therapeutics of Cardiovascular Diseases; 2.6.6 Gene Therapy of Cardiovascular Diseases; 2.6.7 Stem Cell Therapy of Cardiovascular Diseases; 2.7 Summary of Chapter Key Points; 2.8 Self-Assessment Questions; References; Unit II Dyslipidemias; Chapter 3 Overview of Dyslipidemias and Drug Therapy; 3.1 Introduction; 3.2 Lipoprotein Metabolism; 3.2.1 Definition, Structure, and Classification of Lipoproteins  
3.2.2 Metabolic Pathways of Lipoproteins and Drug Therapy

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Sommario/riassunto

Written in an accessible style and consistent format, the book covers both the fundamentals and advances in the pharmacology of cardiovascular drugs, as well as their integrated applications in the management of individual cardiovascular diseases. Integrates fundamentals and recent advances regarding cardiovascular drugs, blending basic and clinical sciences needed to effectively understand and treat cardiovascular diseases Facilitates understanding of drug action and mechanism by covering physiology / pathophysiology and pharmacology Includes guidelines and algorithms for pharmac

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