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Titolo	Essentials of Pharmacodynamics and Drug Action / / edited by Raja Chakraverty, Rajani Mathur, Pranabesh Chakraborty
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ISBN	981-9727-76-6
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (247 pages)
Disciplina	613.8
Soggetti	Pharmacology Pharmacovigilance Drug delivery systems Genetics - Research Neurosciences Cardiology Drug Safety and Pharmacovigilance Drug Delivery Genetics Research Neuroscience
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1_ Principles of Pharmacokinetics: The dynamics of drug action -- Chapter 2_ Pharmacodynamics: Mechanisms of drug action -- Chapter 3_ Principles of Therapeutics and Gene-based Therapy -- Chapter 4_ Drugs acting on the Autonomic Nervous System. - Chapter 5_ Drugs acting on the Central Nervous System -- Chapter 6_ Drugs acting on Renal and Cardiovascular function -- Chapter 7_ Drugs affecting Gastrointestinal function -- Chapter 8_ Pharmacotherapy of Microbial diseases -- Chapter 9_ Hormones and Hormone antagonists -- Chapter 10_ Drugs used for Immunomodulation.
Sommario/riassunto	The book provides a comprehensive exploration of the dynamic field of pharmacology and its fundamental principles. It delves into the intricate interactions between drugs and the human body, focusing on pharmacokinetics, which explains the dynamics of drug actions in the

body, and pharmacodynamics, which uncovers the mechanisms through which drugs exert their effects. The book also emphasizes the crucial aspects of therapeutics and gene-based therapy, shedding light on modern approaches to disease treatment. Readers will gain insights into drugs that target the autonomic nervous system, influencing functions beyond voluntary control, and drugs that act on the central nervous system, impacting neurological processes. Additionally, the book examines medications affecting renal and cardiovascular functions, playing a significant role in maintaining homeostasis. Moreover, it explores the realm of drugs influencing gastrointestinal function, essential for digestive health. Furthermore, the book covers pharmacotherapy for microbial diseases, addressing the challenge of infectious agents and their treatment. It also investigates hormones and hormone antagonists, pivotal in regulating various physiological processes. Lastly, it provides a comprehensive understanding of drugs used for immunomodulation, which plays a crucial role in enhancing or suppressing the immune system. The book serves as a resource for students, researchers, and healthcare professionals seeking a deep understanding of drug interactions, therapeutic applications, and cutting-edge approaches in pharmacology.