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PHARMACOLOGY

Chapter 4. Central Autonomic Control Anatomy of Central Autonomic Areas; Levels of Integration of Central Autonomic Control; Chapter 5. Peripheral Autonomic Nervous System; Sympathetic Nervous System; Sympathoadrenal Axis and the Adrenal Gland; Parasympathetic Nervous System; The Concept of Plurichemical Transmission and Chemical Coding; Functional Neuroanatomy and Biochemical Pharmacology; Chapter 6. The Autonomic Neuroeffector Junction; Structure of the Autonomic Neuromuscular Junction; Autonomic Neurotransmission; Model of Autonomic Neuroeffector Junction
Chapter 7. Autonomic Neuromuscular Transmission New Transmitters and the Concept of Cotransmitters; Varicosities, Vesicle-Associated Proteins, and Calcium Fluxes; Ionotropic Receptors Are Localized to the Muscle Membrane at Varicosities; Metabotropic and Ionotropic Receptors Are Internalized and Recycled after Binding Transmitter; Sources of Intracellular Calcium in Smooth Muscle for Initiating Contraction; Modulation of Calcium Influx and the Control of Hypertension; Chapter 8. Dopaminergic Neurotransmission; Transmitter Neurochemistry; Future Questions; Chapter 9. Dopamine Receptors
Structural and Functional Characteristics of Dopamine Receptors Signal Transduction; Pharmacology; Distribution; Distribution in the Brain; Dopamine Receptors in the Periphery; Regulation; Chapter 10. Noradrenergic Neurotransmission; Noradrenergic Innervation of the Cardiovascular System; Norepinephrine: The Sympathetic Neurotransmitter; Storage; Release; Disposition; Chapter 11. α -Adrenergic Receptors; Subtypes; Structure and Signaling; Ligand Binding and Activation; Regulation; Vascular Subtypes; Chapter 12. α -Adrenergic Receptors; Chapter 13. β -Adrenergic Receptors Signaling of β -AR Subtypes

Sommario/riassunto

The Primer on the Autonomic Nervous System presents, in a readable and accessible format, key information about how the autonomic nervous system controls the body, particularly in response to stress. It represents the largest collection of world-wide autonomic nervous system authorities ever assembled in one book. It is especially suitable for students, scientists and physicians seeking key information about all aspects of autonomic physiology and pathology in one convenient source. Providing up-to-date knowledge about basic and clinical autonomic neuroscience in a format designed to
