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Nota di contenuto	Introduction to Parasympathetic and Sympathetic Monitoring -- History of Parasympathetic and Sympathetic Monitoring -- Drawbacks of Heart Rate Variability Analysis and Application of Parasympathetic and Sympathetic Monitoring -- Validation and General Evaluation of Parasympathetic and Sympathetic Monitoring -- Autonomic (Parasympathetic and Sympathetic) Assessment -- Parasympathetic and Sympathetic Testing -- Interpreting Parasympathetic and Sympathetic Results -- Possible Therapy Options -- Cardiovascular Autonomic Neuropathy: Risk Factor or Risk Indicator -- Normal Data -- Medical Specialties' View of Autonomic System Measurements -- The Progression of Autonomic Dysfunction in Chronic Disease -- Autonomic Dysfunction versus Neuropathy -- General Autonomic Disorders -- Geriatrics -- Depression -- Gastroenterology -- Arrhythmia -- Heart Diseases -- Hypertension -- Diabetes -- Other

Diseases in Endocrinology -- Dizziness -- Pain Management -- Sleep -- General Neurology -- Pulmonology -- Pediatrics -- Critical Care -- Sample Case Studies -- Example of Longitudinal Studies -- Summary: General Applications of Parasympathetic and Sympathetic Monitoring.

Sommario/riassunto

This book presents the concepts underlying the measurement of parasympathetic and sympathetic (P&S) activity in the autonomic nervous system and the application of these measurements in the development of therapeutic guidelines for treating dysfunctions in these processes. It provides an overview of the anatomy, physiology, and biochemistry of the autonomic nervous system; details general clinical applications of P&S monitoring that are independent of specialty or disease; presents the pathophysiology of P&S dysfunction in specific disorders, expected test results, therapeutic options, and expected outcomes; and includes case studies and longitudinal studies that demonstrate the major concepts for the common diseases for which P&S monitoring is recommended. Clinical Autonomic Dysfunction enables clinicians to improve patient outcomes by identifying and treating clinical problems related to autonomic nervous system disorders.