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Autore	Wang Yuping
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Descrizione fisica	1 online resource (388 pages)
Disciplina	616.804645
Soggetti	Neurology Nervous system - Diseases Nervous system - Surgery Neurological Disorders Neurosurgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Functional anatomical basis of the nervous system -- Neurophysiological and Network Basis -- Neuropsychiatric Function Measurements -- Fundamentals of Electrical Stimulation Techniques -- Non-invasive Peripheral Nerve and Spine Stimulation -- Transcranial Electrical Stimulation -- Electrical Stimulation Techniques for Implantable Devices -- Fundamentals of Magnetic Stimulation Devices -- Fundamentals of Magnetic Stimulation Techniques -- Transcranial Light Stimulation -- Transcranial Ultrasound Stimulation -- Techniques of Brain Stimulation Synchronous Signal Acquisition -- Techniques of Multimodal Brain Stimulation -- Movement Disorders -- Dementia -- Attention Deficit Disorders -- Autism Spectrum Disorders -- Depression and Bipolar Disorder -- Anxiety disorders -- Schizophrenia -- Obsessive-Compulsive Disorder -- Addiction -- Sleep disorders -- Pain Disorders -- Epilepsy -- Stroke -- Disorders of Consciousness.
Sommario/riassunto	This book mainly focuses on diversity of brain diseases, such as sleep disorders, major depression disorder, anxiety disorders, epilepsy, cognitive disorders, etc. It introduces the current pathological mechanisms of various diseases from the perspective of basic theories and research; it introduces the clinical evaluation and treatment of the

above diseases from the clinical perspective. In addition, the current frontier research on therapeutics of neural stimulation for the above brain disorder was introduced, such as Transcranial electrical stimulation, magnetic stimulation, ultrasonic stimulation, etc., and the therapeutic strategy and stimuli parameters for reference were proposed. This book is aimed at clinical students, doctors and researchers in the field of neurology. Based on major brain diseases, this book systematically proposed the maneuverability, safety and effectiveness of neural stimulation technologies in the treatment of major brain diseases.
