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Nota di contenuto	part, PART I Clinical Practice of Neurofeedback -- chapter 1 A Brain Functional Dynamic Approach to Counseling and Therapy / Thomas F. Collura Christen H. Stahl Benjamin A. Berry Justin R. Leiter-McBeth -- chapter 2 Evolving as a Neurotherapist: Integrating Psychotherapy and Neurofeedback / Glenn Weiner -- chapter 3 Variables Related to Neurotherapy Success/Failure / James R. Evans Mary Blair Dellinger Ann Guyer Jane Price -- chapter 4 Neuromeditation: An Introduction and Overview / Jeffrey M. Tarrant -- chapter 5 Investigating the Neuroplasticity of Chronic Pain Utilizing Biofeedback Procedures / Stuart Donaldson Mary Donaldson Doneen Moran -- chapter 6 Working with Forensic Populations: Incorporating Peripheral Biofeedback and Brainwave Biofeedback into Your Organization or Practice / Robert E. Longo G. Michael Russo -- part, PART II Pediatric Neurofeedback -- chapter 7 Training Children Younger Than 6 Years of Age / Merlyn Hurd -- chapter 8 QEEG and 19 Channel Neurofeedback as a Clinical Evaluation Tool for Children with Attention, Learning and Emotional Problems / Theresia Stöckl-Drax -- part, PART III The Neurologist's

Perspective -- chapter 9 QEEG-Guided Neurofeedback to Normalize Brain Function in Various Disorders / Jonathan E. Walker -- chapter 10 QEEG (Brain Mapping) and LORETA Z-Score Neurofeedback in Neuropsychiatric Practice / J. Lucas Koberda -- chapter 11 Concussionology: Sport Concussion Management Harry Kerasidis -- part, PART IV Dyslexia and Reading -- chapter 12 Rhythms of Dyslexia: EEG, ERP and Neurofeedback / Tony Steffert Beverly Steffert -- chapter 13 Normal and Abnormal Reading Processes in Children: Neuropsychophysiological Studies / Giuseppe A. Chiarenza -- chapter 14 The Electrophysiological Coordinated Allocation of Resource (CAR) Model of Effective Reading in Children, Adolescents and Adults / Kirtley E. Thornton Dennis P. Carmody -- part, PART V sLORETA/LORETA and Z-Score Training -- chapter 15 sLORETA in Clinical Practice: Not All ROIs Are Created Equal / Mark Llewellyn Smith -- chapter 16 sLORETA Neurofeedback as a Treatment for PTSD / Nir Getter Zeev Kaplan Doron Todder -- chapter 17 The Efficacy of Z-Score Neurofeedback Training / Joseph Guan -- chapter 18 Introduction to the Concepts and Clinical Applications of Multivariate Live Z-Score Training, PZOK and sLORETA Feedback / Penijean A. Gracefire -- part, PART VI QEEG and Brain Dynamical Approaches -- chapter 19 Perspective and Method for a QEEG Based Two Channel Bi-Hemispheric Compensatory Model of Neurofeedback Training / Richard Soutar -- chapter 20 Neurotherapy for Clinicians in the Trenches: The ClinicalQ and Braindriving / Paul G. Swingle -- chapter 21 The Use of Surface 19-Channel Z-Score Training to Ameliorate Symptoms Remaining or Apparently Caused after Withdrawal from Those Medications / Kathy Abbott -- chapter 22 Raw EEG Biomarkers, Z-Scored Normative Analysis, and the Diagnosis of Neurobehavioral Disorders / Leonardo Mascaro -- part, PART VII Traditional Alpha/Theta/Beta Protocols -- chapter 23 Neurofeedback as a Treatment for Anxiety in Adolescents and Young Adults / Cynthia Kerson -- chapter 24 Alpha-Theta-Based Clinical Outreach / Lincoln Stoller -- part, PART VIII Emerging Paradigms -- chapter 25 EEG State Discrimination and the Phenomenal Correlates of Brainwave States / Jon A. Frederick -- chapter 26 Infra-Slow Fluctuation (ISF) Training for Autism Spectrum Disorders / Mark Llewellyn Smith, Leonardo M. Leiderman, and Jackie de Vries -- chapter 27 Transcranial Direct Current Stimulation in Rehabilitation / Roger H. Riss Frederick Ulam -- chapter 28 An Integrative Approach to Optimizing Neural Function: Exploring the Brain–Gut Connection / Nancy E. White Leonard M. Richards.

Sommario/riassunto

This book is an essential resource describing a wide range of approaches and technologies in the areas of quantitative EEG (QEEG) and neurotherapy including neurofeedback and neuromodulation approaches. It emphasizes practical, clinically useful methods, reported by experienced clinicians who have developed and used these approaches first hand. These chapters describe how the authors approach and use their particular combinations of technology, and how clients are evaluated and treated. This resource, which is encyclopedic in scope, provides a valuable and broad, yet sufficiently detailed account, to help clinicians guide the future directions in client assessment and neurotherapeutic treatment. Each contribution includes literature citations, practical information related to clinical interventions, and clinical outcome information.