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Nota di contenuto	Contents; Contributors; 1. Historical Notes on Reorganization of Function and Neuroplasticity; I. Neuroscience Research on Neuroplasticity and Reorganization of Function; 2. Neuropsychological Indices of Early Medial Temporal Lobe Dysfunction in Primates; 3. Cognitive Recovery from Traumatic Brain Injury: Results of Posttraumatic Experimental Interventions; 4. Growth of New Connections and Adult Reorganizational Plasticity in the Somatosensory System; 5. Neuroanatomic Basis for Reorganization of Function After Prefrontal Damage in Primates 6. Reorganization of Function After Cortical Lesions in Rodents7. Rapid Reorganization of Subcortical and Cortical Maps in Adult Primates; 8. Motor Rehabilitation, Use-Related Neural Events, and Reorganization of the Brain After Injury; 9. Role of Neuroplasticity in Functional Recovery After Stroke; II. Developmental Studies of Neuroplasticity; 10. Spatial Cognitive Development Following Prenatal or Perinatal Focal Brain Injury; 11. Neuroplasticity Following Traumatic Diffuse versus Focal Brain Injury in Children: Studies of Verbal Fluency 12. Cerebral Reorganization in Children with Congenital Hemiplegia:

Evidence from the Dichotic Listening Test13. Reorganization of Motor Function in Cerebral Palsy; III. Techniques for Studying Neuroplasticity in Humans; 14. The Developmental Disorders: Does Plasticity Play a Role?; 15. Transcranial Magnetic Stimulation as a Tool for Detecting Changes in the Organization of the Human Motor System After Central and Peripheral Lesions; 16. Methodological Issues in Functional Magnetic Resonance Imaging Studies of Plasticity Following Brain Injury; 17. Neuroimaging of Functional Recovery
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Sommario/riassunto

This book integrates neuroscience research on neuroplasticity with clinical investigation of reorganisation of function after brain injury, especially from the perspective of eventually translating the findings to rehabilitation.
