

1. Record Nr.	UNINA9910819628903321
Autore	Albert Todd J
Titolo	Essentials of Spinal Cord Injury : Basic Research to Clinical Practice // by: Fehlings, Michael G., Boakye, Maxwell, Ditunno Jr., John F., Vaccaro, Alexander R., Rossignol, Serge, Burns, Anthony S.
Pubbl/distr/stampa	New York, : Thieme, c2013
ISBN	1-63853-033-5 1-60406-727-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (684 p.)
Disciplina	617.4/82044
Soggetti	Spinal cord - Wounds and injuries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Essentials of Spinal Cord Injury: Basic Research to Clinical Practice; Title Page; Copyright; Dedication; Contents; Foreword; Preface; Contributors; I Principles of Spinal Cord Injury Clinical Practice; 1 Anatomy and Physiology of the Spinal Cord; 2 Evaluation of the Patient with Spinal Cord Injury; 3 Imaging of Acute Spinal Cord Trauma and Spinal Cord Injury; 4 Pathophysiology of Spinal Cord Injury; 5 Epidemiology of Traumatic Spinal Cord Injury; 6 Spinal Cord Injury Classification; 7 Spontaneous Recovery Patterns and Prognoses after Spinal Cord Injury 8 Management of Spinal Cord Injury in the Intensive Care Unit9 Concomitant Traumatic Brain Injury and Spinal Cord Injury; 10 Pharmacotherapy in Acute Spinal Cord Injury: Focus on Steroids; 11 Halo Application and Closed Skeletal Reduction of Cervical Dislocations; 12 Principles of Surgical Management of Spinal Trauma Associated with Spinal Cord Injury; 13 Venous Thromboembolism Prophylaxis; 14 Sexuality and Fertility after Spinal Cord Injury; 15 Interdisciplinary Essentials in Pressure Ulcer Management; 16 Autonomic Dysreflexia and Cardiovascular Complications of Spinal Cord Injury 17 Pain after Spinal Cord Injury18 Essentials of Spinal Cord Injury: Psychosocial Aspects of Spinal Cord Injury; 19 Posttraumatic Kyphotic Deformity of the Cervical Spine; 20 Posttraumatic Syringomyelia: Pathophysiology and Management; 21 Rehabilitation of the Individual with Spinal Cord Injury; 22 The Management of Secondary

Complications Following Spinal Cord Injury; II Controversies in Management; 23 Timing of Surgery for Acute Spinal Cord Injury: From Basic Science to Clinical Application; 24 Hypothermia: Evidence-Based Review; 25 Management of Cervical Facet Dislocation  
26 Management of Acute Spinal Cord Injury in Thoracolumbar Burst Fractures Including Cauda Equina Syndrome  
27 Management of Central Cord Syndrome; III Neuroprotective and Neuroregenerative Approaches; 28 Research in Spinal Cord Injury: Building an Effective Translational Research Program; 29 North American Clinical Trials Network: Building a Clinical Trials Network for Spinal Cord Injury; 30 Considerations for the Initiation and Conduct of Spinal Cord Injury Clinical Trials; 31 Animal Models of Spinal Cord Injury  
32 Glial Scar and Monocyte-Derived Macrophages Are Needed for Spinal Cord Repair: Timing, Location, and Level as Critical Factors  
33 Promising Preclinical Pharmacological Approaches to Spinal Cord Injury; 34 Cellular Transplantation in Spinal Cord Injury; 35 Neuroregeneration Approaches; 36 Neuroprotective Trials in Spinal Cord Injury; 37 Approaches Using Biomaterials for Tissue Engineering; IV Neurophysiology and Imaging; 38 Electrophysiological Measures after Spinal Cord Injury; 39 Quantitative Tests of Sensory, Motor, and Autonomic Function  
40 Basic Neurophysiological Approaches to Probing Spinal Circuits

---

Sommario/riassunto

Essentials of Spinal Cord Injury is written for the spinal cord injury (SCI) team and reflects the multidisciplinary nature of treating patients with SCI. It integrates emerging medical and surgical approaches to SCI with neuroanatomy, neurophysiology, neuroimaging, neuroplasticity, and cellular transplantation. This comprehensive yet concise reference will enable neurosurgeons, orthopedic surgeons, neurologists, and allied health professionals caring for SCI patients to translate research results into patient care. It is also an excellent resource for those preparing for the board exam in

---