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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cervical Traction and Reduction Techniques -- Halo Vest Immobilization -- Occipital-Cervical Fusion -- Anterior Atlantoaxial Fusion -- Posterior Atlantoaxial Fusion -- Odontoid Screw Fixation -- Anterior Cervical Decompression and Fusion -- Cervical Arthroplasty -- Subaxial Posterior Cervical Fusion with Instrumentation -- Posterior Cervical Subaxial Spine Fixation: Facet Fusion Techniques -- Cervical Laminoplasty -- Minimally Invasive Posterior Cervical Fusion Techniques -- Correction of Post-Laminectomy Kyphosis and Cervical Deformity -- Considerations for Approaches Crossing the Cervicothoracic Junction -- Open Anterior and Lateral Thoracic Interbody Approaches and Techniques -- Thoracic Lateral Extracavitary Decompression and Fusion -- Posterior Thoracic Spinal Fixation -- Anterior Spinal Column Augmentation Techniques -- Anterior Lumbar Interbody Fusion of the Lumbosacral Spine: L3 through the Sacrum -- Transforaminal Lumbar Interbody Fusion -- Percutaneous Spinal Fixation -- Lumbar Osteotomy Techniques -- Repair of Pars Defects and Spondylosis -- Surgical Management of Lumbar Spondylolisthesis -- Lumbar Interspinous Devices: Fusion and Motion Sparing -- The Minimally Invasive Retroperitoneal Transpsoas Approach -- Lumbar Disc Arthroplasty -- Minimally Invasive Posterior Lumbar Fusion Techniques -- Cortical Bone Screw Fixation -- Lumbosacral and Pelvic Fixation Techniques -- Trans-sacral Lumbar Interbody Fusion --

Sacroiliac Joint Fusion -- Biomechanical Principles of Spine Stabilization -- Bone Grafting and Spinal Fusion Options -- Basic Science of Bone Fusion -- Principles of Deformity Correction -- Image-Guided Spinal Stabilization -- Neurophysiological Monitoring During Placement of Spinal Instrumentation.

Sommario/riassunto

This text includes stabilization techniques for the entire spinal column, ranging from the cranio-cervical junction to the pelvis. The information is presented in an easily digestible format that is suitable for those in school or training, yet includes pearls and insight that can be appreciated by even the most seasoned surgeon. The text is divided into major sections based on the anatomical regions of the spine – cervical, thoracic, and lumbosacral. An additional section is devoted to related surgical concepts and principles such as spinal biomechanics, computer image guidance, and deformity surgery. Each chapter has a uniform design including background, indications, patient selection, preoperative considerations, surgical technique, technical pearls, and strategies for complication avoidance. Preoperative and postoperative images and/or illustrations are utilized to highlight the presented information. Edited by a Neurosurgeon and an Orthope dist and written by leading national and international Neurosurgery and Orthopedic spine experts, Essentials of Spinal Stabilization provides a text which will broadly appeal to all spine care professionals.