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Titolo	Degenerative Cervical Myelopathy and Radiculopathy : Treatment Approaches and Options // edited by Michael G. Kaiser, Regis W. Haid, Christopher I. Shaffrey, Michael G. Fehlings
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Nota di contenuto	Part I The Basics -- Functional Anatomy of the Spinal Cord -- Cervical Spine Biomechanics -- Cervical Alignment and Sagittal Balance -- Degenerative Cervical Myelopathy: A Spectrum of Degenerative Spondylopathies -- Pathobiology of Cervical Radiculopathy and Myelopathy -- Natural History of Cervical Degenerative Disorders -- Part II Evaluation and Diagnosis of Cervical Spondylotic Disorders -- Fundamentals of Cervical Neurological Exam -- Clinical Assessment Tools -- Radiographic Modalities -- Alternative Diagnostic Tools -- Part III Surgical Decision-Making -- Failure of Nonoperative Management -- Timing of Operative Intervention -- Surgical Approach Decision-Making -- Utility of Intraoperative Neuromonitoring -- Factors Predictive of Operative Outcome -- The Cost-Effectiveness of Various Surgical Procedures in the Cervical Spine -- An Overview of Various Surgical Approaches -- Part IV Motion Preservation Surgery for Cervical Degenerative Disorders -- Posterior Laminoforaminotomy for Radiculopathy -- Cervical Laminoplasty -- Cervical Disc Arthroplasty -- MIS Approaches for Cervical Spondylotic Disease -- Part V Fusion Techniques for Cervical Degenerative Disorders -- Degenerative

Cervical Myelopathy and Radiculopathy: Treatment Approaches and Options—Anterior Cervical Discectomy and Fusion -- Anterior Cervical Corpectomy -- Multilevel ACDF Versus Corpectomy -- Options for Interbody Grafting -- Anterior Fixation Plating -- Cervical Laminectomy and Fusion -- Biological Enhancers of Fusion -- Part VI Challenges of Cervical Fixation -- Occipitocervical Stabilization -- Alternative Means of Posterior Cervical Stabilization -- Atlantoaxial Stabilization -- Reconstructive Procedures in the Osteoporotic Patient -- The Cervicothoracic Junction -- Osteotomy for Cervical Kyphosis.

Sommario/riassunto

This book is intended to serve as a comprehensive, up-to-date resource for clinicians involved in the management of patients with cervical degenerative disease. The text is divided into sections, organized in a clinically strategic manner. Initial chapters address the basics of cervical spine anatomy and biomechanics as well as the pathophysiology leading to various cervical degenerative disorders and the possible neurological sequelae. Subsequent chapters outline characteristics of the clinical presentation and the various diagnostic modalities to evaluate these patients. Key elements involved in the surgical-decision making process are covered, providing the necessary elements to establish a solid foundation for treatment planning. The final sections discuss specific procedures; including traditional approaches as well as more recent developments such as motion preservation surgery and minimally invasive techniques. Individual chapters are organized with an introductory outline containing key chapter elements. Chapters focusing on specific pathological entities include discussions regarding pathophysiology, genetics, and risk factors. Those describing surgical procedures include a discussion on indications/contraindications, pre-operative planning, surgical technique, post-operative care, and complication avoidance. Chapter authors present their personal experience enhancing the information from current, evidence-based, referenced material. When appropriate, case presentations are added to provide a practical application of chapter's key points.
