



Advanced techniques in complex cervical spine surgery

The cervical spine is the most mobile region of the spinal column and serves an integral role in activities of daily living. With an aging world population, cervical spine pathology is becoming an increasingly important cause for disability and reduced quality of life. In recent decades, advances in surgical techniques and instrumentation, development of new technologies such as stereotactic navigation and robotics, maturing understanding of cervical and global spinal alignment, as well as advancement in other fields of medicine have enabled spine surgeons to safely treat increasingly more complex pathology.

The purpose of this series is to provide the readers an overview of evidence-based, state-of-the-art management strategies and surgical techniques for complex cervical pathology. We have invited cervical spine experts from both neurosurgery and orthopedic surgery backgrounds to provide a comprehensive, interdisciplinary perspective. This series covers a wide range of topics, including cervical spine biomechanics, cervical spine alignment radiographic parameters, motion-preserving techniques (arthroplasty and laminoplasty), anterior techniques (ACDF, corpectomy, anterior foraminotomy), posterior techniques (OC fusion, C1-2 fusion, subaxial fixation techniques), cervical deformity correction techniques (anterior and posterior cervical osteotomies), along with surgical pearls, complication avoidance and discussions on the value of cervical spine surgery.

The contributing authors for this series include spine experts around the globe from Europe, Asia, North America and South America, providing a truly global perspective. We are very excited to share this series and hope you find it informative and valuable in the care of your patients.

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Footnote

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