

1. Record Nr.	UNINA9910369945503321
Titolo	Surgery of the Cranio-Vertebral Junction // edited by Enrico Tessitore, Amir R. Dehdashti, Claudio Schonauer, Claudius Thomé
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-18700-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (563 pages)
Disciplina	617.471
Soggetti	Neurosurgery Orthopedics Rheumatology Infectious diseases Oncology Psychiatry Infectious Diseases Oncology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	I Introduction -- Relevant anatomy -- Anatomy of the VA at CVJ- Radiological assessment of CVJ -- Biomechanics of CVJ -- Sagittal balance concept applied to CVJ -- II General principles of CVJ surgery -- Surgical positioning -- Anesthesiological considerations -- Perioperative management -- III Surgical techniques -- Anterior approaches -- Posterior approaches -- Posterolateral approaches -- Transfacial approaches -- Transcranial approaches -- Transpetrosal approaches -- MIS techniques for CVJ -- Image-guidance and navigation -- Spinal fusion and bone harvesting -- Endovascular procedures -- IV Management of CVJ lesions -- Trauma of the CVJ -- Tumors of the CVJ -- Vascular pathologies of the CVJ -- Malformations of the CVJ -- Infections and metabolic diseases.
Sommario/riassunto	This book provides a unique tool for approaching cranio-vertebral junction (CVJ) surgery. Following a brief introduction to the relevant anatomy and biomechanics of CVJ, it explores the field of cranio-

vertebral junction lesions and their management. Furthermore, individual chapters cover endovascular surgery, endoscopic skull base techniques, navigation and robotics, ensuring that surgeons stay up-to-date. A chapter addressing the consequences of CVJ surgery with regard to sagittal balance is of particular importance. The book is structured according both to the type of lesion involving the CVJ (tumor, trauma), and to the type of surgical approach (anterior, posterior). Further, it reflects innovative treatment modalities that have improved patient safety and efficacy rates for surgery involving the CVJ, and covers both open and minimally invasive surgical methods, enabling surgeons to hone their skills in both areas. .
