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Titolo	Surgical Spinal Oncology : Contemporary Multidisciplinary Strategies / / edited by Kern Singh, Matthew Colman
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ISBN	3-030-50722-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIV, 378 p. 155 illus., 84 illus. in color.)
Disciplina	616.994711 616.994711059
Soggetti	Neurosurgery Surgical oncology Orthopedics Surgical Oncology Surgical Orthopedics Cirurgia oncològica Medul-la espinal Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Advanced spinal anatomy and applications for the spine tumor surgeon -- Modern Pathology in Spinal Tumors -- Tumor Classification and Staging Systems in Orthopaedic Spine Surgery -- Advanced imaging technologies in the evaluation and staging of adult spine tumors -- Modern Multidisciplinary Care in Spine Tumors -- Modern care of benign tumors of the spine -- Low Grade Spinal Malignancies: Chordoma and Chondrosarcoma -- High-grade primary spinal malignancies -- Extradural Spine Tumor Mimics -- Special anatomical zone: Sacral and spinopelvic tumors -- Special Anatomical Zone: Craniocervical Junction Tumors -- Prognosis and Decision Making in Spinal Metastases -- Economic Value in Spinal Tumor Surgery -- State of the Art for Metastatic Histologies -- Modern technical concepts in surgical metastatic disease -- Radiotherapy in metastatic spinal disease -- Percutaneous Modalities -- Lateral Corpectomy for Spinal

Neoplasms -- Minimally Invasive Approaches to Thoracic and Lumbar Metastatic Spine Disease -- Complex Reconstruction in Tumor Patients -- Radiation, robotics, and reconstructive options in spine tumor surgery -- Spine Tumors: Technological Advances.

Sommario/riassunto

This book contains the expert knowledge base of the field's most experienced practitioners in the field of extradural bone and soft tissue malignancy. Chapters include modern classification, advanced anatomy, imaging, and the concepts around a multidisciplinary approach. Since treating primary tumors requires very different strategies than those used in metastatic tumors, the book devotes separate sections to each sub-discipline. For primary tumors, the text covers both benign and malignant entities and addresses unique anatomic zones such as the sacrum and skull base which require special technical expertise. For metastatic disease, the authors address the ever-important concept of prognosis, and discuss how to answer the eternal question: "How much should we do, and for whom?". Chapters also explore the state of the art of treatment for the "big 5" histologies (renal cell, lung, breast, prostate, thyroid), with a special chapter emphasis on separation surgery and the now-standard combinatorial care between radiation and surgery. In addition, an entire section is dedicated to evolving surgical technology, which covers the use of minimally invasive techniques, navigation, robotics, 3D-printing, and other evolving technologies for spine tumor care. Infrequently-considered topics, such as how to evaluate a lesion which may be a tumor-mimic, and how to think about economic value in spine tumor surgery, are also presented. Surgical Spinal Oncology serves to help surgeons approach difficult clinical scenarios with a thoughtful, collaborative approach that leverages the best technology and thinking the field of spine oncology has to offer.
