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Nota di contenuto	Section I, Medical Treatment Of Bone Metastases: 1 Bone metastasis microenvironment -- 2 Cancer treatment induced bone loss -- 3 Bone targeted therapies in adjuvant setting -- 4 New therapeutic targets in metastatic setting -- 5 Pain in bone metastatic patients. Section II, Imaging / Radiology / Radiotherapy And Pathology: 6 The role of radiotherapy in bone metastasis -- 7 Pathology of bone metastasis -- 8 Pathology: difficult cases -- 9 Diagnostic imaging of bone metastases. Section III, Approach To The Patient: 10 The Pathfx project: decision analysis and Bayesian method in survival estimation -- 11 The choice of surgical procedure: how a surgeons choice is influenced by the expected survival -- 12 Metastases to the spine: algorithm of treatment -- 13 Metastases to the long bones: algorithm of treatment

-- 14 Metastases to the pelvis: algorithm of treatment -- 15 Pathological vs Impending Fracture -- 16 Thromboprophylaxis in bone metastatic patients. Section IV, Surgery: 17 The timing of surgical treatment -- 18 Long bone metastasis -- 19 Spine Bone Metastasis Approach -- 20 Metastases to the sacrum and pelvis -- 21 New biomaterials in instrumentation systems: Carbon fiber intramedullary nail -- 22 New biomaterials in instrumentation system: Photodynamic Bone stabilization System -- 23 Fractures around tumor implants -- 24 Demolitive Surgery: is it an option? -- 25 Rehabilitation of patients with bone metastatic disease -- 26 Think, stage, then act -- 27 Pitfalls, Errors, and Unintended Consequences in the treatment of metastatic bone disease: how they occur and how they can be avoided. Section V, Minimally Invasive Tumor Treatment: 28 Interventional radiology, Thermoablation and Cryoablation -- 29 Electrochemotherapy -- 30 MRI-guided focused ultrasound surgery -- 31 New Palliative techniques: indications and limits. .

Sommario/riassunto

This highly informative book provides a comprehensive, up-to-date and practical reference for daily clinical practice in the management of patients affected by bone metastases. Written by renowned orthopedic surgeons and leading doctors in the respective fields of expertise, it offers a transversal review of the current medical and surgical treatments to allow a real interdisciplinary approach to the oncologic patient according to the highest current standards. The book illustrates all the fundamental medical treatments for metastatic bone diseases and provides an overview of pathology issues related to this condition. An entire section is devoted to main different methods of patients approach. It also provides guidance on all current surgical procedures and minimally invasive treatment techniques. Using a common language and recognizing the different osteoncologic competences, this work allows surgeons, oncologists, radiologists, pathologists and psychiatrists to update their expertise and broaden their understanding of how a real team approach can improve the management of these oncology patients.
