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Nota di contenuto	Part I. The Problem -- Bone Metastases: Epidemiology and Societal Effect -- Part II. Biology of Metastases and Tissue of Origin Considerations -- Pathobiology of Osteolytic and Osteoblastic Bone Metastases -- Tissue Engineered Models to Study Bone Metastases -- Biology of Bone Cancer Pain -- Breast Cancer Bone Metastases -- Prostate Cancer Bone Metastases -- Lung Cancer Bone Metastases -- Kidney Cancer Bone Metastases -- Thyroid Cancer Bone Metastases -- Myeloma Bone Metastases -- Part III. Work-Up for Patients with Suspected Metastatic Bone Disease -- Evaluation of the Patient with Carcinoma of Unknown Origin Metastatic to Bone -- Biopsy Considerations -- Part IV. Medical Therapy for Metastatic Bone Disease -- Bisphosphonates, Denosumab, and Anabolic Agents in the Treatment of Metastatic Bone Disease -- Biotargeting in Metastatic Bone Disease -- Part V. Supportive Oncology for Metastatic Bone Disease -- Psychosocial Considerations for Patients with Metastatic Bone Disease -- Pain Management in Metastatic Bone Disease -- When Is Hospice Appropriate? The Role for Hospice in Palliating Patients with Bone Metastases -- PROs -- Part VI. Radiation Oncology -- Current and Emerging Modalities -- Part VII. Interventional Oncology for Metastatic Bone Disease -- Ablation and Cementation Technologies -- Part VIII. Principles of Orthopedic Surgical Oncology -- Issues Facing the

Established Metastatic Bone Disease Patient, Timing/Indications for Surgery -- Questions to Ask Your Medical Oncology Colleagues -- Consideration of the Temporal Relationship Between Surgery and Radiation Therapy -- Role of Surgery in Oligometastatic Disease -- Part IX. Specific Anatomic Considerations for Surgery -- Metastatic Bone Disease: Pelvis -- Metastatic Bone Disease: Femur -- Metastatic Bone Disease: Femur, Tibia -- Metastatic Bone Disease: Foot -- Metastatic Bone Disease: Humerus and Scapula -- Metastatic Bone Disease: Forearm, Hand -- Metastatic Bone Disease: Spine -- Part X. Emergent Surgical Technologies -- Intraoperative Imaging and Navigation -- Part XI. Putting It All Together -- Integrative Approach with the Patient in Mind: A Glance Forward.

#### Sommario/riassunto

Skeletally related events make up approximately 20% of the cancer care economy. Advances in understanding the pathobiology and better biotargeted therapy and improved surgical technology are occurring continuously. Hundreds of thousands of patients are living longer with ever-increasing tumor burden, but patients can remain siloed in their care as they navigate across subspecialty treatments. This comprehensive text ties it all together around the patient, integrating all aspects of care. Providing an integrated approach to the diagnosis and management of patients with metastatic bone disease (MBD), this revised and expanded text combines discussion of the pathobiology of the disease with the latest oncological and orthopedic treatment modalities. After opening with an examination of the epidemiology and impact of MBD, the biology of bone metastases are discussed, along with considerations of the tissue of origin, evaluation, biopsy and medical therapy, including metabolic agents and biotargeting. The heart of the book presents oncological approaches (supportive, radiation and interventional) and principles of orthopedic surgical oncology, with subsequent chapters covering specific anatomy, from the pelvis to the lower extremity and the spine. Chapters on emerging surgical technology and future directions conclude the text. New to this edition are considerations around patient-reported outcomes. Utilizing the latest clinical evidence and treatment techniques, *Metastatic Bone Disease, Second Edition* is a standalone resource reflecting a comprehensive, patient-centric resource for all types of providers.