1. Record Nr. UNINA9910760266303321 Autore Cheng Liang Titolo Molecular Surgical Pathology [[electronic resource] /] / edited by Liang Cheng, George J. Netto, John N. Eble Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2023 3-031-35118-5 **ISBN** Edizione [2nd ed. 2023.] Descrizione fisica 1 online resource (725 pages) NettoGeorge J Altri autori (Persone) EbleJohn N Disciplina 617.07 Soggetti Pathology Oncology Genetics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Clinical Genomics (Molecular Techniques/ Molecular Diagnostics) for Surgical Pathologists: An Overview -- Bioinformatics for Surgical Pathologists -- Molecular Cytopathology -- Molecular Pathology of Colorectal Cancer -- Molecular Pathology of Gastroesophageal Cancer -- Molecular Pathology of Pancreatic Cancer -- Molecular Pathology of Liver Tumors -- Molecular Pathology of Lung Cancer -- Molecular Pathology of Breast Cancer -- Molecular Pathology of Ovarian Cancer -- Molecular Pathology of Uterine (Endometrial) Cancer -- Molecular Pathology of Kidney Tumors -- Molecular Pathology of Prostate Cancer -- Molecular Pathology of Bladder Cancer -- Molecular Pathology of Testicular Cancer -- Molecular Pathology of Cutaneous Melananoma and Nonmelanoma Skin Cancer -- Molecular Pathology of Head and Neck Tumors -- Molecular Pathology of Salivary Gland Tumors --Molecular Pathology of Heart and Cardiovascular System -- Molecular Pathology of Endocrine Tumor / Thyroid Cancer -- Molecular Pathology of Soft Tissue and Bone Tumor -- Molecular Pathology of the Central Nervous System -- Molecular Pathology of Lymphoma -- Molecular Pathology of Leukemia. Sommario/riassunto Since the first edition of this book in 2012, the field of molecular

pathology has expanded exponentially. The advent of complete cancer

genome sequencing, new diagnostic molecular tests, and biomarkers for targeted therapy and immunotherapy have demonstrated the importance of molecular tools both in patient care and in the practice of pathology. Furthermore, the development of many new molecular technologies has revolutionized the practice of modern pathology. The rapid growth of this field has led to an expansion of knowledge of molecular processes and many more clinical applications in our daily practice of surgical pathology. Thus, this updated second edition of Molecular Surgical Pathology aims to serve as the best available "quick reference" for pathologists, oncologists, geneticists, primary care physicians, and other medical professionals with an interest in this specialty. Molecular Surgical Pathology 2nd Edition focuses on the practical utility of molecular techniques and on molecular biomarkers for the practicing surgical pathologist. The emphasis is on the impact of molecular pathology for tumor classification, diagnosis and differential diagnosis, as well as its implications for patient management and personalized care. This concise overview of molecular surgical pathology and molecular classification of tumors of different organ sites will help not only practicing physicians, but also those in training, including residents and fellows in various disciplines.