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   Nota di contenuto Histological Classification and Its Need for Treatment of Lung Cancer -- Advances in Non-surgical Sampling Techniques for the Diagnosis and Staging of Lung Cancer -- Adequacy and Tissue Preservation of Small Biopsy and Cytology Specimens -- Optimization and Triage of Small Specimens -- Ancillary Immunohistochemical Techniques for the Subclassification of Non-small Cell Lung Cancer -- Adequacy and Utilization of Small Biopsy Material for Molecular Diagnosis -- Role of Immunohistochemistry in the Detection of Targetable Mutations -- New Discoveries for the Treatment of Lung Cancer and the Role of Small Biopsy Material -- Evaluation of Small Biopsy Material in Patients with Multiple and Secondary Tumors -- Common Benign Mimickers of Lung Carcinoma in Cytology and Small Biopsy Specimens.

   Sommario/riassunto This volume provides a practical yet comprehensive guide to manage the shift in the diagnosis of lung cancer from large resections to small samples, including cytology specimens and core biopsies. Specifically, it outlines various available minimally-invasive modalities and presents algorithms to optimize and maximize sample collection and processing

beginning at the time of tissue acquisition during the procedure. Secondly, the book provides an overview of the various existing and emerging lung cancer therapies and why a specific diagnosis is crucial. Key elements for the classification of small biopsies and cytology proposed by the ATS, IASLC, and ERS are highlighted. A section dedicated to immunohistochemistry offers a logical, step-by-step guide to sub-classify lung cancers and to differentiate them from metastases. The text also provides a review of the various molecular tests (and alternatives in cases of scant tissue) required for lung adenocarcinomas. Finally, potential pitfalls to avoid during acquisition, processing, and classification are discussed. With contributions from a team of multidisciplinary authors who are regularly involved in the care of lung cancer patients , Diagnosing Non-small Cell Carcinoma in Small Biopsy and Cytology is an invaluable reference guide for pathologists, pathologists-in-training, and allied professionals, including oncologists, pulmonologists, surgeons, and radiologists.