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Multimodal Sampling in Robotic Bronchoscopy: A Retrospective Comparative Analysis of Diagnostic Performance Using IONGuided FNA, Surgical Biopsy, and ROSE/Frozen Section in Lung Lesions

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Background: Robotic-assisted bronchoscopy using the Ion™ Endoluminal Platform (ION) has emerged as a promising tool for diagnosing peripheral lung lesions. However, the comparative diagnostic performance of fine needle aspiration (FNA), surgical biopsy (SB), and their combination within this context remains underexplored. Methods: We conducted a retrospective review ...

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