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Rapid on-site evaluation (ROSE) in a busy cytopathology practice

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Current cytopathology practice requires teamwork to assure adequate tissue sampling and specimen triage for proper diagnosis and patient management. With the advent of molecular studies required for appropriate treatment, there is a greater pressure to obtain more diagnostic information from less tissue. Immediate feedback regarding the need for additional passes and a preliminary on-site diagnosis assures tissue submission for ancillary studies with the main goal of avoiding repeat procedures, fewer patient complications and significant overall cost savings. Although adequacy criteria are available for some tissue samples, for other cytology samples the adequacy criteria, the sequence for tissue retrieval and workflow are not well defined. 6 months review performed in our cytopathology practice showed significant pitfalls in different areas including test ordering, clinical history and nature of the lesion, as well as specimen preparation, microscopic interpretation and communication which influenced the intraoperative decision making. Practical process improvements will be demonstrated in cases of lymphoma work-up, pulmonary cytopathology and CT-guided biopsies of other organs.

Biography

Laurentia Nodit is a board-certified Anatomical and Clinical Pathologist and board-certified Cytopathologist. She currently serves as an Associate Professor and Cytopathology Residency Rotation Director at the University of Tennessee in Knoxville. She was graduated from University of Medicine, Romania and followed up with Pathology Residency and Specialty Fellowships in Cytopathology and Gastrointestinal Pathology at University of Pittsburgh and University of Alabama at Birmingham, USA. She has more than 30 publications in reputed journals in areas of pancreatic cytopathology and surgical pathology.

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