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Confocal endomicroscopy and cyst fluid molecular analysis: Comprehensive evaluation of pancreatic cysts

Li F *et al.* Confocal endomicroscopy and cyst fluid molecular analysis

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Abstract

Increases in the quality as well as utilization of cross-sectional imaging have led to rising diagnoses of pancreatic cystic lesions (PCL). Accurate pre-surgical diagnosis enables appropriate triage of PCLs. Unfortunately, current diagnostic approaches have suboptimal accuracy and may lead to unnecessary surgical resections or missed diagnoses of advanced neoplasia. Additionally, early

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European experts consensus statement on cystic tumours of the pancreas

... Study Group on Cystic Tumours of the Pancreas - Digestive and Liver ..., 2013 - Elsevier
... Endoscopic ultrasound with cyst fluid analysis may be used but there is no evidence to suggest this ... using magnetic resonance cholangiopancreatography (MRCP) for non-pancreatic indications [5]. Thus, cystic lesions of ... Pancreatic cysts form a heterogeneous group of tumours ...

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... The utility of confocal laser-induced endomicroscopy (CLE) has been reported in ... If samples are too scant, too viscous for a pipette, or inhomogeneous because of mucin clumps in watery fluid, the cyst fluid can be diluted with saline and or/vortexed to achieve homogeneity ...

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NA Belsley, MB Pitman, GY Lauwers... - Cancer ..., 2008 - Wiley Online Library
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... Intracystic endomicroscopic videos are then captured for 2 to 5 min with permissible angulation
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Novel investigative modalities for evaluation of pancreatic cystic lesions

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2017年10月9日 - In the last 5 years, molecular analysis of PCL fluid and needle-based confocal laser endomicroscopy (nCLE) have demonstrated promising results with potential to improve diagnostic accuracy of PCLs and thereby impact patient management and outcomes. In a study published in this issue of Endoscopy ...

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PCLs have been mostly retrospective and have demonstrated that improvement in diagnostic accuracy