

ACCURACY OF ENDOSCOPIC ULTRASOUND WITH TISSUE ACQUISITION (EUS-TA) IN THE DIFFERENTIAL DIAGNOSIS OF BILIARY STRICTURES: RESULTS FROM A TERTIARY CENTER WITH CLASSIC- AND AI-MODEL APPLICATION

Michele Reni

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Poster

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Retrospective study of 86 patients with biliary strictures found EUS-guided tissue acquisition achieved 88.4% overall diagnostic accuracy, with sensitivity and specificity of 86.4% and 95% respectively.

KEY POINTS

- Among 86 patients with biliary strictures (47 perihilar, 39 distal), EUS-TA yielded adequate tissue in 94% of cases with overall sensitivity 86.4%, specificity 95%, and accuracy 88.4%.
- For perihilar strictures specifically, EUS-TA demonstrated 85.7% sensitivity, 100% specificity, and 87.2% accuracy, with NPV of 45.4%.
- Combining EUS-TA with ERCP-TA improved diagnostic performance to 89% sensitivity and 92% accuracy.
- Multivariate analysis identified male sex, jaundice, mass-like presentation, and vascular invasion as independent predictors of malignancy.
- The authors conclude EUS-TA shows strong diagnostic performance and support its use as a first-line approach in high-expertise centers, with same-session EUS-ERCP strategy potentially optimizing efficiency.

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