

PERFORMANCE AND SAFETY OF EUS-ABLATION TECHNIQUES FOR PANCREATIC CYSTIC LESIONS: A SYSTEMATIC REVIEW AND META-ANALYSIS

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Poster

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A systematic review and meta-analysis of 15 studies involving 840 patients found that EUS-ablation of pancreatic cystic lesions achieved complete resolution in 44% of cases with a 4% severe adverse event rate.

KEY POINTS

- Complete cyst resolution was achieved in 44% (95%CI: 31-57) of 767 patients, with partial resolution in 30% (95%CI: 20-39).
- Among ablation techniques, ethanol/paclitaxel showed the highest complete resolution rate at 70% (95%CI: 64-76), followed by lauromacrogol at 44%, ethanol at 32%, and radiofrequency ablation at 13%.
- Adverse events occurred in 14% (95%CI: 8-20) of all cases, with severe events in 4% (95%CI: 3-5) and mild events in 10%.
- Ethanol-based techniques had the highest adverse event rate at 16% (95%CI: 13-20).
- The authors conclude that chemoablative agents yielded higher performance rates compared to other ablation methods.

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