

EXPERIENCE WITH THE USE OF SINGLE USE DUODENOSCOPY FOR ERCP IN A TERTIARY CARE CENTER

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Poster

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A single-center retrospective study of 34 patients undergoing ERCP with the Boston Scientific EXALT Model D single-use duodenoscope between October 2020 and February 2023 reported 82% overall technical success and a 15% post-procedure pancreatitis rate.

KEY POINTS

- Overall technical success was achieved in 28 of 34 procedures (82%); when the single-use duodenoscope was used as the primary scope, success was 95% (19 of 20), compared to 64% (9 of 14) when used after standard reusable duodenoscope failure.
- The most common indications were choledocholithiasis (35%), benign biliary stricture (32%), head of pancreas tumor (18%), and cholangiocarcinoma (12%).
- Adverse events included post-procedure pancreatitis in 5 patients (15%), cholangitis in 2 (6%), and post-sphincterotomy bleeding in 1 (3%).
- The single-use duodenoscope was used when institutional criteria were met (immunocompromised patient, multi-drug resistant infection, or failed standard scope procedure) or when no reusable scope was available.
- The authors conclude that the single-use duodenoscope may be effective in patients with distorted gastroduodenal anatomy and eliminates device-related infection transmission risk, though they observed higher adverse event rates attributed to technical difficulty of the procedures.

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