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Summary

THE EFFICACY OF DISPOSABLE ELEVATOR CAP DUODENOSCOPE IN PREVENTION OF INFECTION TRANSMISSION: PILOT STUDY

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A prospective cohort study comparing disposable elevator cap duodenoscopes with standard duodenoscopes found similar technical performance and no significant difference in post-ERCP cholangitis rates including multidrug-resistant pathogen transmission.

KEY POINTS

- The study enrolled 95 patients with standard duodenoscopes and 101 patients with disposable elevator cap duodenoscopes in a single-institution prospective non-randomized cohort design.
- Technical success rates were slightly higher with disposable elevator cap duodenoscopes compared to standard duodenoscopes (95% vs. 85%, p = 0.15), with similar procedure-related adverse event rates (16% vs. 15%).
- Post-ERCP cholangitis incidence was similar between disposable elevator cap and standard duodenoscopes (10% vs. 11%, p = 0.90), as was cholangitis caused by multidrug-resistant pathogens (1% vs. 2%, p = 0.39).
- The authors conclude that more clinical data are needed to confirm the efficacy of disposable elevator cap duodenoscopes in preventing ERCP-related infection transmission.
- The study received research grant funding from PENTAX MEDICAL.

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