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Summary

NOVEL CATHETER DEDICATED FOR ENDOSCOPIC TRANSMURAL NECROSECTOMY OF PANCREATIC WALLED-OFF NECROSIS: EXPERIENCES FROM A TERTIARY REFERRAL CENTER

John Gásdal Karstensen

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Pancreas

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A retrospective study of 16 patients with pancreatic walled-off necrosis treated with a novel 6.0 mm powered endoscopic debridement catheter (EndoRotor) found the device safe and feasible, with clinical resolution achieved in 87.5% of patients.

KEY POINTS

- Sixteen patients underwent 25 endoscopic necrosectomy procedures with the 6.0 mm EndoRotor catheter between December 2021 and March 2023 at a Danish tertiary referral center.
- Clinical resolution was achieved in 14 of 16 patients (87.5%); two patients died from multisystem organ failure before resolution was achieved.
- One device-related adverse event occurred (4.0%): a patient developed peritoneal reaction possibly caused by perforation of the walled-off necrosis into the peritoneal cavity, treated successfully with laparoscopic lavage and drainage.
- Catheter malfunction was observed in 7 of 25 procedures (28.0%), and the median procedure duration was 60.0 minutes.
- The authors suggest comparative studies are warranted to assess efficacy relative to standard techniques; this material would be relevant to gastroenterologists performing endoscopic management of pancreatic necrosis.

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