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Summary

EFFICACY OF A NOVEL INTEGRATED BILIARY STENT AND NASOBILIARY CATHETER SYSTEM FOR ACCIDENTAL TUBE DEVIATION IN BILIARY DRAINAGE

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A prospective observational study of 30 patients found that the UMIDAS integrated plastic stent and nasobiliary drainage system maintained correct stent position in all 11 cases of accidental tube removal and achieved successful biliary drainage in 100% of patients without complications.

KEY POINTS

- Among 30 patients with acute cholangitis or obstructive jaundice who received UMIDAS between April and November 2022, 11 experienced accidental NBD tube removal (4 self-removals, 2 intestinal deviations, 5 prolonged intervals to next procedure).
- All 11 patients with accidental tube removal maintained correct plastic stent position, while among 19 planned removals, 80% maintained correct position (90% including incomplete migration).
- All 30 patients achieved successful biliary drainage with no complications, including those with accidental tube removal.
- The authors conclude the UMIDAS system might be useful for patients at high risk of nasobiliary tube self-removal, as the integrated plastic stent remains in place when the drainage tube is removed.

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