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Summary

FIRST-LINE HEMOSTASIS STRATEGY FOR ENDOSCOPIC SPHINCTEROTOMY BLEEDING USING A NOVEL SELF-ASSEMBLING PEPTIDE

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Hepatobiliary

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A retrospective study of 62 patients compared a novel self-assembling peptide hemostatic gel (PuraStat) to conventional endoscopic hemostasis for bleeding after endoscopic sphincterotomy.

KEY POINTS

- Initial hemostasis rates were similar between the peptide gel group (88.4%, 23/26 patients) and the conventional technique group (72.2%, 26/32 patients) with no significant difference (P=0.1211).
- Procedure time was significantly shorter with the peptide gel (mean 9.38 minutes) compared to conventional hemostasis (mean 15.4 minutes) (P=0.0103).
- Adverse events were more frequently observed with conventional hemostasis (n=12) than with the peptide gel (n=1), though the difference was not statistically significant.
- Post-EST bleeding occurred in 6 patients total (4 conventional, 2 peptide gel) with no significant difference between groups (P=0.6532).
- The authors conclude that the peptide gel may be safe and effective for EST bleeding, comparable to conventional techniques, but note that prospective randomized trials are needed.

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