

COMPARISON OF GEL IMMERSION ENDOSCOPIC MUCOSAL RESECTION (EMR) AND UNDERWATER EMR FOR SUPERFICIAL NON-AMPULLARY DUODENAL EPITHELIAL TUMORS (SNADETS)

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UEG Week Copenhagen 2023

Poster

Oesophagus

October 15, 2023

A retrospective comparison of gel immersion endoscopic mucosal resection (GIEMR) versus underwater endoscopic mucosal resection (UEMR) for superficial non-ampullary duodenal epithelial tumors found GIEMR significantly reduced procedure time without compromising safety or resection outcomes.

KEY POINTS

- GIEMR significantly reduced procedure time compared with UEMR (5.5 min vs 10 min, $P=0.016$) in 30 lesions treated at municipal hospitals from February 2019 to January 2023.
- En bloc resection rates (94% vs 91%) and R0 resection rates (78% vs 58%) showed no significant differences between GIEMR and UEMR groups.
- No serious complications were observed in either the GIEMR ($n=18$) or UEMR ($n=12$) group.
- The gel product does not mix with intestinal fluids or blood and remains in the injected area due to viscoelasticity, potentially explaining the shorter procedure time.
- The authors conclude GIEMR may be particularly useful in areas where water immersion is difficult and recommend a multicenter study to confirm these findings.

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