

LEARNING CURVE OF EUS-GUIDED GASTROENTEROSTOMY USING THE WEST TECHNIQUE: A PROSPECTIVE ANALYSIS

Paolo Giorgio Arcidiacono

UEG Week Berlin 2025

Poster

Pancreas

October 7, 2025

A prospective learning curve analysis of 126 EUS-guided gastroenterostomy procedures using the WEST technique shows that junior endoscopists achieve consistent safety and efficacy outcomes throughout training, with independent practice requiring approximately 30 cases and fluoroscopy optimization occurring after approximately 70 cases.

KEY POINTS

- Junior endoscopists with previous EUS-GE training maintained 100% technical success and 95% clinical success rates throughout their learning curve, with adverse events occurring in 6% of cases and moderate/severe adverse events in 4%.
- Need for senior endoscopist supervision decreased significantly after 32 procedures, and radiation dose significantly decreased after 57 to 72 interventions, stabilizing thereafter.
- Naïve endoscopists required significantly longer fluoroscopy time (234 vs 187 seconds) and procedural time (55 vs 43 minutes) but achieved comparable efficacy and safety outcomes to more experienced operators.
- Training of naïve pancreatobiliary endoscopists in high-volume institutions using a standardized technique does not compromise clinical and safety standards.
- This material is most relevant to gastroenterology training programs and endoscopists considering adoption of EUS-guided gastroenterostomy.

VIEW THIS CONTENT ON GUTFLIX

<https://gutflix.eu/search/d/2205a27e-a813-11f0-82b5-0242ac140006>



AI-generated summary

This summary was generated by an AI large language model based on the content transcript. It is for informational purposes only and should not be considered a substitute for clinical judgment. Always rely on your professional expertise and the full clinical context when making clinical decisions.