

THE LEARNING CURVE FOR ENDOSCOPIC SUBMUCOSAL DISSECTION IN EARLY GASTRIC NEOPLASM: SINGLE OPERATOR OVER 800 CASES EXPERIENCE IN EIGHT YEARS

Kee Myung Lee

UEG Week Copenhagen 2023

Poster

Oesophagus

October 15, 2023

A single-operator learning curve analysis of 811 consecutive gastric endoscopic submucosal dissections found that 156 cases were required to achieve proficiency using a redefined speed benchmark of 16.5 cm²/h.

KEY POINTS

- Overall en-bloc resection was 98.6%, R0 resection 96.3%, and curability 93.7% across 811 gastric ESDs performed between March 2016 and December 2022
- Median ESD speed was 18.1 cm²/h overall, with slower speeds in the upper third (9.9 cm²/h), with submucosal fibrosis (11.0 cm²/h), and with subcutaneous fat (11.1 cm²/h)
- Traditional proficiency benchmarks (en-bloc resection >90%, R0 resection >80%, speed >9 cm²/h) were met from the first case
- Using CUSUM analysis, the study established a new speed benchmark of 16.5 cm²/h and identified 156 cases as the threshold for achieving proficiency
- The authors conclude that improved endoscopic equipment necessitates higher proficiency benchmarks for gastric ESD

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