

VISUALISATION OF THE AMPULLA OF VATER ON SMALL BOWEL CAPSULE ENDOSCOPY

Kelly Conti

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Poster

Oesophagus

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A multicentre study of 30 small bowel capsule endoscopy videos found that detection of the ampulla of Vater declined significantly when reading speed increased from mouse-wheel to 10 frames per second in both trainees and experts.

KEY POINTS

- Seven experts and six trainees from six European centres each reviewed 30 randomly selected 15-minute SBCE videos twice, first using mouse-wheel and then at 10 frames per second.
- Detection rates for the ampulla of Vater using mouse-wheel were 68.7% for trainees and 82.1% for experts, dropping to 50% and 55% respectively at 10 frames per second.
- Statistical comparison showed significantly lower detection at higher reading speed for both trainees (Kappa 0.323, $p=0.018$) and experts (Kappa 0.414, $p=0.01$).
- The authors suggest that pathology may be missed at higher reading speeds, particularly in the proximal small bowel, and recommend slower reading speeds especially for those with limited SBCE review experience.

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