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Summary

# ONLINE EDUCATION SIGNIFICANTLY IMPROVED GASTROENTEROLOGISTS' UNDERSTANDING OF THE USE OF ULTRASOUND IN THE MANAGEMENT OF INFLAMMATORY BOWEL DISEASE

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**An online educational activity with video lecture and embedded ultrasound images significantly improved gastroenterologists' knowledge and confidence in using intestinal ultrasound to manage inflammatory bowel disease patients.**

## KEY POINTS

- Among 195 gastroenterologists, average correct responses on knowledge questions increased from 46% at baseline to 64% post-activity (P <.001), with moderate educational impact (Cohen's d=0.60).
- Knowledge improved significantly on ECCO-ESGAR guideline recommendations (54% to 65%, P <.01), stricture detection via bidirectional stool content (55% to 70%, P <.001), and bowel wall thickness >4mm as the most sensitive parameter for active Crohn disease (28% to 58%, P <.001).
- After the activity, 44% of gastroenterologists reported improved confidence in interpreting intestinal ultrasound images to support IBD management, with a 79% confidence shift.
- The 30-minute activity included a video lecture by Dr. Gerhard Rogler with synchronized slides and embedded ultrasound videos showing real-life clinical images and their interpretation.
- Gastroenterologists managing IBD patients who seek to expand their use of intestinal ultrasound in clinical decision-making would benefit from this type of education.

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