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Summary

PERFORMANCE OF INTESTINAL ULTRASOUND SCORES IN DETECTING ACTIVE CROHN'S DISEASE

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A retrospective study of 83 Crohn's disease patients compared four intestinal ultrasound scoring systems and found all performed similarly well for detecting endoscopic disease activity, with no statistically significant differences among them.

KEY POINTS

- Four ultrasound scoring systems were compared: IBUS-SAS, BUSS, Simple-US, and SUS-CD, using endoscopy with SES-CD greater than 3 as the reference standard for active disease.
- All four scores showed comparable performance with AUCs ranging from 0.718 to 0.736, sensitivities from 76.5% to 88.7%, and specificities from 40% to 60.7%, with no statistically significant differences observed.
- The study included 83 patients with mean age 41 years and median disease duration 8 years, of whom 66.3% had endoscopically active disease.
- Cut-off values for remission were 24 for IBUS-SAS, 4.25 for Simple-US, 4.1 for BUSS, and 1.5 for SUS-CD, consistent with published data.
- The findings suggest clinicians may use whichever intestinal ultrasound score they are most comfortable with when monitoring Crohn's disease activity.

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