

INTEROBSERVER AGREEMENT IN CONTRAST-ENHANCED EUS: WATCHING THE SAME MOVIE? RESULTS FROM A NGEUS MULTICENTRIC EUROPEAN STUDY

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Poster

Pancreas

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A multicenter study of 24 endosonographers from 16 European centers found considerable variability in contrast-enhanced endoscopic ultrasound interpretation, with only moderate agreement for lesion classification and slight agreement for dynamic contrast features.

KEY POINTS

- Interobserver agreement was moderate for lesion classification ($\kappa = 0.47$) but slight for arterial phase enhancement ($\kappa = 0.38$), wash-in timing ($\kappa = 0.27$), wash-out timing ($\kappa = 0.21$), and contrast distribution ($\kappa = 0.24$), with no agreement on video quality ($\kappa = 0.14$)
- Individual operator experience was not significantly associated with interobserver agreement
- Procedural volume at the observer's center significantly influenced interobserver agreement for wash-in timing ($p = 0.004$) and video quality assessment ($p = 0.035$), emphasizing the importance of institutional experience
- The findings indicate a need for standardized evaluation criteria, improved training programs, and interpretation frameworks to enhance diagnostic consistency of contrast-enhanced endoscopic ultrasound

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