

INTEROBSERVER AGREEMENT RATE OF CONFOCAL LASER ENDOMICROSCOPY IMAGES IN IRRITABLE BOWEL SYNDROME

Jan Tack

UEG Week Copenhagen 2023

Poster

Oesophagus

October 15, 2023

Blinded assessment of confocal laser endomicroscopy recordings in IBS patients shows 81% agreement between two experienced assessors in identifying acute food-induced mucosal alterations in the duodenum.

KEY POINTS

- Two blinded assessors with at least 20 exams experience each agreed on presence or absence of mucosal alterations in 81% of 75 video sequences from 13 non-constipated Rome IV IBS patients, yielding a Cohen's Kappa of 0.63 indicating substantial agreement.
- Confocal laser endomicroscopy was performed during upper endoscopy to visualize duodenal mucosa before and after sequential application of six dissolved lyophilized food antigens (fish, nuts, egg white, soy, milk, wheat) in patients without allergic sensitization.
- Among sequences with agreement, 52% showed fluorescence leakage and cell shedding on at least three mucosal spots, while 48% were judged normal.
- The authors suggest that modifying assessment criteria might further increase agreement rates and validity of the technique for evaluating food-triggered epithelial barrier disruption in IBS.

VIEW THIS CONTENT ON GUTFLIX

<https://gutflix.eu/search/d/ce0fcd86-743c-11ee-8e17-0242ac140004>



AI-generated summary

This summary was generated by an AI large language model based on the content transcript. It is for informational purposes only and should not be considered a substitute for clinical judgment. Always rely on your professional expertise and the full clinical context when making clinical decisions.