

ENDOSCOPIC, HISTOLOGICAL AND SEROLOGICAL ASSESSMENTS OF DISEASE ACTIVITY IN UC

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Poster

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A retrospective study of 143 ulcerative colitis patients found moderate correlation between endoscopic and histological disease activity scoring, with 53.7% of patients in endoscopic remission showing persistent histological inflammation.

KEY POINTS

- Moderate agreement was observed between Mayo Endoscopic Subscore and Simplified Geboes Score for assessing disease activity ($\kappa = 0.4$, $r_s = 0.533$, both $P < 0.001$).
- Approximately half (53.7%) of patients who achieved endoscopic remission still had inflammatory activity on histological assessment.
- Basal plasmacytosis was strongly associated with endoscopically active UC (OR=11.19, 95% CI: 4.80-26.09, $P < 0.001$).
- Multiple blood biomarkers correlated with Mayo score, including negative correlations with hemoglobin, albumin, and large platelet ratio, and positive correlations with white blood cell count, neutrophil count and percentage, ESR, and CRP.
- The study enrolled 143 UC patients admitted between January 2014 and January 2020 at a single center in Shanghai, with blood samples collected around the time of endoscopy.

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