CORRELATION OF SIMPLE LABORATORY MARKERS WITH ENDOSCOPIC REMISSION IN PATIENTS WITH CROHN'S DISEASE

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A study of 76 treated Crohn's disease patients found that mean platelet volume and neutrophil-to-lymphocyte ratio correlated significantly with endoscopic disease activity measured by CDEIS, suggesting potential value as non-invasive markers of endoscopic remission.

KEY POINTS

- In 76 patients (mean age 38.4 years) who underwent colonoscopy and laboratory testing within three months, endoscopic remission was present in 44 patients by CDEIS and 36 by SES-CD
- Mean platelet volume showed statistically significant correlation with both CDEIS-based endoscopic stage (p=0.01) and presence of endoscopic remission (p=0.008)
- Neutrophil-to-lymphocyte ratio correlated significantly with CDEIS-based endoscopic stage (p=0.022) and remission status (p=0.037), while plateletcrit correlated with endoscopic stage (p=0.036)
- Endoscopic remission status based on SES-CD did not show statistically significant correlation with any of the laboratory indices tested
- The authors conclude that further investigation of NLR and MPV in larger patient cohorts is warranted

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