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Summary

THE INFLAMMATORY DURATION INDEX: A NOVEL SCORE FOR PREDICTING CORTICOSTEROID RESPONSE IN ACUTE SEVERE ULCERATIVE COLITIS

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A new Inflammatory Duration Index combining symptom duration and CRP to albumin ratio predicted corticosteroid response in 103 hospitalized acute severe ulcerative colitis patients on day one of admission.

KEY POINTS

- The Inflammatory Duration Index is calculated by multiplying the onset duration of ulcerative colitis symptoms prior to hospital admission and the CRP to albumin ratio
- In this cross-sectional study of 103 newly diagnosed ASUC patients at the University Clinical Center of Serbia from 2020 to 2023, the index showed significant negative correlation with glucocorticoid response with a Spearman's rho of -0.383
- ROC curve analysis demonstrated an area under the curve of 0.722, and at 91% sensitivity an index value below 120 predicted complete glucocorticoid response
- One-third of ASUC patients are steroid non-responders, and the authors suggest this first-day admission tool may help identify patients less likely to respond to conventional glucocorticoid therapy, though further studies are needed

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