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Summary

SYSTEMIC INFLAMMATORY PROTEIN PROFILES OF IRRITABLE BOWEL SYNDROME PATIENTS - A PRELIMINARY STUDY

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Colorectal

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A pilot study using the Olink Target 96 Inflammation Panel identified six serum inflammatory proteins differentially abundant between IBS patients and healthy controls, with specific patterns across IBS subtypes.

KEY POINTS

- Six proteins (AXIN1, CCL19, CCL28, CD8A, EN-RAGE, MMP10) were differentially abundant ($p<0.05$) in 41 IBS patients compared to 42 healthy controls.
- IBS-D patients showed higher levels of AXIN1 and EN-RAGE, IBS-C patients showed higher CD8A, and IBS-M patients showed elevated AXIN1, CD8A, and EN-RAGE.
- The study analyzed serum using the Olink Target 96 Inflammation Panel, with 88 of 96 proteins prevalent in more than 40 percent of participants.
- The authors note this was a pilot study limited by small sample size, and conclude that serum cytokine profiles of IBS patients differ from healthy controls.
- The material is relevant to researchers investigating inflammatory mechanisms in IBS and potential proteomic approaches to subtype differentiation.

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