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Summary

HIGH SERUM LIPOCALIN-2 EXPRESSION AT THE DIAGNOSIS IN CHILDREN WITH ULCERATIVE COLITIS: A PILOTSTUDY

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A prospective study of 32 newly diagnosed pediatric ulcerative colitis patients found significantly elevated serum Lipocalin-2 levels compared to healthy controls, with highest levels in pancolitis.

KEY POINTS

- Serum LCN-2 levels were significantly higher in children with newly diagnosed UC compared to 38 healthy controls (280 ± 152 ng/mL versus 66 ± 55 ng/mL, p < 0.001).
- Children with pancolitis had significantly higher LCN-2 levels (363.7 ± 155.2 ng/mL) than those with proctitis, left-sided, or extensive colitis (184.9 ± 74.65 ng/mL, P = 0.0003).
- LCN-2 showed significant inverse correlation with albumin (r = □0.455, P = 0.03) and direct correlation with CRP (r = 0.44, P < 0.05) at diagnosis.
- The study authors suggest LCN-2 may be a candidate biomarker for pediatric UC based on its correlation with existing disease monitoring tools.
- This cross-sectional study enrolled children aged 6-18 years at diagnosis and measured LCN-2 by ELISA.

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