

Digestive Diseases

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Value of CT enterography in predicting activity of Crohn's disease: Correlation between Crohn's disease activity index and CRP

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Background: The accurate evaluation of disease activity in Crohn's disease is important in treatment of the disease and monitoring the response. CT enterography is a useful imaging modality reflecting the enteric inflammation as well as extramural complications.

Objectives: To evaluate the correlation of CT enterographic findings of active Crohn's disease with the Crohn's Disease Activity Index (CDAI) and CRP.

Patients & Methods: 50 CT enterographies in 39 patients with Crohn's disease in the small bowel were enrolled in our study. CDAI was assessed through clinical or laboratory variables. Multiple CT parameters including mural hyper-enhancement, mural thickness, mural stratification, comb sign and mesenteric fat attenuation were examined with four-point scale. The presence of enhanced lymph nodes, or fatty proliferation, sinus or stricture, abscess and fistula, were also examined in relation with CDAI.

Notes: