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Summary

# ARE INTERLEUKIN 6 AND YKL-40 POTENTIAL BIOMARKERS FOR PERIPANCREATIC FLUID COLLECTIONS IN THE ACUTE PANCREATITIS?

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**A prospective study of 57 acute pancreatitis patients found that IL-6 and YKL-40 outperformed routine markers CRP and PCT in predicting peripancreatic fluid collections on admission, though the small sample requires confirmation.**

## KEY POINTS

- IL-6 on admission had the highest AUC for predicting peripancreatic fluid collections (0.8), followed by YKL-40 (0.70), while CRP (0.55) and PCT (0.57) performed poorly
- At 48 hours after admission, CRP improved drastically to AUC 0.82, becoming comparable to YKL-40 (0.81) and IL-6 (0.85)
- YKL-40 and IL-6 demonstrated an order of magnitude better AUC scores than CRP and PCT at admission
- The study enrolled 57 patients at a single center between June 2020 and December 2021, with PFCs assessed by CT scan at 72-96 hours
- Authors acknowledge that small sample size and low study power necessitate further measurements to confirm these preliminary findings

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