

PROGNOSTIC SIGNIFICANCE OF PRE-THERAPEUTIC BLOOD-BASED BIOMARKERS IN PANCREATIC CANCER

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Poster

Pancreas

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A retrospective single-center study of 30 pancreatic adenocarcinoma patients found that pre-therapeutic neutrophil-to-lymphocyte ratio (NLR) was significantly correlated with sarcopenia and predicted 12-month survival.

KEY POINTS

- High NLR was significantly higher in patients with sarcopenia compared to those without sarcopenia (4.7 ± 2.6 vs 2.9 ± 1.62 , $p = 0.02$), while platelet-to-lymphocyte ratio (PLR) and C-Reactive Protein/Albumin Ratio (CAR) showed no such difference.
- NLR, PLR and CAR demonstrated area under the curve values of 0.838, 0.831 and 0.781 respectively in predicting 12-month survival (all $p < 0.05$).
- The analyzed inflammatory ratios were not associated with tumor location or stage ($p > 0.05$).
- The study included patients diagnosed between 2014 and 2022 with 36% resectable, 33% locally advanced, and 9% metastatic disease, with mortality rates of 50%, 63.3% and 75% at 6, 12 and 36 months.

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