

## **The Role of Inflammatory Markers in Predicting Resectability of Pancreatic Ductal Adenocarcinoma**

Christos Agalianos<sup>1</sup>, Nikolaos Gouvas<sup>2</sup>, Dimitrios K. Manatakis<sup>1</sup>, Ioannis Sideris<sup>3</sup>, Ioannis Passas<sup>3</sup>, Christos Dervenis<sup>3</sup>

<sup>1</sup>Department of Surgery, Athens Naval and Veterans Hospital, Athens, Greece

<sup>2</sup>Department of Surgery, Medical School, University of Cyprus

<sup>3</sup>Department of Surgical Oncology and Hepato-Pancreatic-Biliary Surgery, Metropolitan Hospital of Athens, Greece

### **Abstract**

*Background:* Pancreatic adenocarcinoma is still considered as one of the most aggressive cancers with low percentages of resectability, despite recent advances in diagnosis. Assessment of preoperative inflammatory markers can increase the rates of resectability.

*Methods:* Patients with potentially resectable pancreatic adenocarcinoma in a single pancreatic unit were included. Ninety-six patients during a one year period were eligible for analysis.

*Results:* CRP, d-dimers, and fibrinogen levels were similar between the two groups. On the contrary, there were statistically significant differences regarding the prognostic nutritional index (PNI) and neutrophil-to-lymphocyte ratio (NLR).

*Conclusions:* inflammatory markers can act as an additional tool in predicting resectability in patients with pancreatic adenocarcinoma.

**Key words:** pancreas, cancer, inflammation, resectability