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Title: Clinical Significance of the Neutrophil-Lymphocyte Ratio (NLR) as an Early Predictive Marker for Adverse Outcomes in Patients with Acute Pancreatitis

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Biostatistics statement:

The statistical methods of this study were reviewed by Jun Hyung Park, a biomedical statistician of Inje University Sanggye Paik Hospital. Descriptive data are presented as median and interquartile ranges for continuous variables. The Student's t test or Mann-Whitney U test was used for the analysis of continuous data for comparison between the SAP and MAP patients. The chi-square test or Fishers' exact test was used for categorical data analysis. The NLR was treated as a continuous variable, and severity of acute pancreatitis and organ failure distribution were treated as categorical variables. The optimal cut-off value of NLR was computed by using the trade-off between sensitivity and specificity on the receiver-operating characteristic (ROC) curves, and the accuracy of prediction of the NLR was estimated using the area under the receiver-operating curve (AUC). Statistical significance was defined as a p value <0.05.

Signature: Ji Young Park **Date:** 3/16/17