Supplementary Materials for

**Clinical significance of inflammation markers in predicting the severity of acute pancreatitis**

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**Table S1.** ROC analysis of the markers in predicting SAP on the 1st day after admission.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index | Cutoff | AUC | P value | 95% CI | Sensitivity (%) | Specificity (%) |
| NLR | 12.230 | 0.824 | 0.000 | 0.753-0.896 | 68.0 | 84.0 |
| PNI | 48.500 | 0.765 | 0.000 | 0.692-0.837 | 96.0 | 49.6 |
| RDW-CV (%) | 13.850 | 0.728 | 0.000 | 0.643-0.813 | 48.0 | 85.7 |
| PLR | 148.455 | 0.706 | 0.000 | 0.621-0.791 | 78.0 | 59.7 |
| LMR | 2.250 | 0.683 | 0.000 | 0.589-0.776 | 74.0 | 51.3 |
| MPV (fL) | 10.350 | 0.678 | 0.000 | 0.594-0.763 | 84.0 | 47.1 |
| RPR | 0.070 | 0.642 | 0.004 | 0.551-0.732 | 64.0 | 62.2 |

**Table S2.** ROC analysis of the markers in predicting SAP on the 3rd day after admission.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index | Cutoff | AUC | P value | 95% CI | Sensitivity (%) | Specificity (%) |
| PNI | 40.625 | 0.814 | 0.000 | 0.743-0.886 | 84.8 | 74.1 |
| RDW-CV (%) | 13.650 | 0.740 | 0.000 | 0.652-0.829 | 58.7 | 84.8 |
| RPR | 0.078 | 0.738 | 0.000 | 0.653-0.824 | 71.7 | 71.4 |
| NLR | 4.525 | 0.707 | 0.000 | 0.623-0.791 | 91.3 | 41.1 |
| MPV (fL) | 11.850 | 0.705 | 0.000 | 0.614-0.797 | 47.8 | 87.5 |
| LMR | 1.800 | 0.664 | 0.001 | 0.573-0.754 | 65.2 | 63.4 |
| PLR | 142.970 | 0.503 | 0.959 | 0.397-0.608 | 52.2 | 91.6 |

**Table S3.** ROC analysis of the markers in predicting SAP on the 7th day after admission.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Index | Cutoff | AUC | P value | 95% CI | Sensitivity (%) | Specificity (%) |
| PNI | 38.000 | 0.748 | 0.000 | 0.660-0.836 | 55.8 | 82.9 |
| RDW-CV (%) | 13.950 | 0.711 | 0.000 | 0.607-0.814 | 53.5 | 86.8 |
| NLR | 5.735 | 0.685 | 0.001 | 0.588-0.782 | 67.4 | 65.8 |
| MPV (fL) | 11.350 | 0.661 | 0.004 | 0.557-0.766 | 48.8 | 81.6 |
| RPR | 0.062 | 0.633 | 0.016 | 0.523-0.744 | 53.5 | 75.0 |
| LMR | 1.430 | 0.623 | 0.026 | 0.517-0.730 | 30.2 | 90.8 |
| PLR | 174.265 | 0.584 | 0.128 | 0.476-0.692 | 51.2 | 68.4 |



**Figure S1.** ROC curves of various inflammation markers on the a) 1st day, b) 3rd day, and c) 7th day in predicting SAP.