**Table A1. Multivariate analysis according to different inflammatory and nutritious index in AC patients (n=54)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Different variables | | Progression-free survival | | | | Overall survival | | | | |
| NLR |  | Age | Gender | PS | NLR | Age | Gender | PS | NLR |
| HR | 0.825 | 1.120 | 1.145 | 1.445 | 1.029 | 1.151 | 1.779 | 1.876 |
| 95% CI | 0.557-1.190 | 0.731-1.645 | 0.652-1.835 | 0.982-2.188 | 0.634-1.629 | 0.668-1.882 | 0.979-3.051 | 1.042-3.965 |
| *p*-value | 0.309 | 0.584 | 0.6075 | 0.061 | 0.902 | 0.5963 | 0.057 | **0.035** |
| PLR |  | Age | Gender | PS | PLR | Age | Gender | PS | PLR |
| HR | 0.885 | 1.139 | 0.992 | 1.585 | 1.096 | 1.146 | 1.637 | 1.671 |
| 95% CI | 0.552-1.647 | 0.744-1.674 | 0.553-1.647 | 1.077-2.327 | 0.673-1.742 | 0.661-1.882 | 0.877-2.946 | 0.982-2.939 |
| *p*-value | 0.531 | 0.528 | 0.977 | **0.012** | 0.702 | 0.607 | 0.116 | 0.058 |
| SII |  | Age | Gender | PS | SII | Age | Gender | PS | SII |
| HR | 0.823 | 1.179 | 1.023 | 1.554 | 1.013 | 1.194 | 1.547 | 2.027 |
| 95% CI | 0.559-1.191 | 0.774-1.722 | 0.575-1.679 | 1.065-2.262 | 0.627-1.592 | 0.698-1.930 | 0.843-2.697 | 1.201-3.616 |
| *p*-value | 0.315 | 0.423 | 0.929 | **0.022** | 0.954 | 0.495 | 0.149 | **0.008** |
| PNI |  | Age | Gender | PS | PNI | Age | Gender | PS | PNI |
| HR | 0.791 | 1.282 | 0.986 | 0.626 | 0.962 | 1.364 | 1.596 | 0.556 |
| 95% CI | 0.535-1.139 | 0.836-1.887 | 0.552-1.637 | 0.427-0.930 | 0.594-1.524 | 0.798-2.199 | 0.864-2.826 | 0.324-0.941 |
| *p*-value | 0.211 | 0.241 | 0.960 | **0.021** | 0.872 | 0.240 | 0.128 | **0.029** |
| ALI |  | Age | Gender | PS | ALI | Age | Gender | PS | ALI |
| HR | 0.789 | 1.143 | 1.140 | 0.673 | 0.941 | 1.149 | 1.667 | 0.376 |
| 95% CI | 0.532-1.139 | 0.747-1.676 | 0.651-1.819 | 0.446-0.985 | 0.578-1.495 | 0.664-1.880 | 0.923-2.825 | 0.147-0.727 |
| *p*-value | 0.218 | 0.511 | 0.608 | **0.047** | 0.801 | 0.598 | 0.085 | **0.002** |
| GPS |  | Age | Gender | PS | GPS | Age | Gender | PS | GPS |
| HR | 0.850 | 1.246 | 1.064 | 1.343 | 1.081 | 1.357 | 1.593 | 1.550 |
| 95% CI | 0.572-1.231 | 0.812-1.838 | 0.855-2.014 | 0.855-2.014 | 0.664-1.723 | 0.791-2.204 | 0.822-3.099 | 0.858-2.671 |
| *p*-value | 0.397 | 0.297 | 0.832 | 0.188 | 0.743 | 0.252 | 0.160 | 0.136 |

Abbreviations: PS, performance status; NLR, neutrophil to lymphocyte ratio; PLR, platelet to lymphocyte ratio; SII, systemic immune inflammation index; PNI, prognostic nutrition index; ALI, advanced lung cancer inflammation index; GPS, Glasgow prognostic score; HR, hazard ratio; 95% CI, 95% confidence interval; AC, adenocarcinoma.