Supplementary Table 1 Difference and logistics analysis of blood routine count items between AS and non-AS patients in traindata and testdata, respectively.

traindata

| Index | Non\_AS (N=7148)  Mean ± SD | AS (N=4752)  Mean ± SD | OR (univariable) | OR (multivariable) |
| --- | --- | --- | --- | --- |
| WBC | 7.4 ± 2.9 | 8.3 ± 2.3 | 1.14 (1.12-1.16, p<.001) | 0.83 (0.78-0.88, p<.001) |
| PLT | 274.8 ± 90.8 | 322.7 ± 101.4 | 1.01 (1.00-1.01, p<.001) | 1.00 (1.00-1.01, p<.001) |
| ANC | 4.5 ± 2.6 | 5.3 ± 2.0 | 1.17 (1.15-1.19, p<.001) | 1.25 (1.19-1.33, p<.001) |
| ALC | 2.1 ± 0.8 | 2.1 ± 0.7 | 1.00 (0.95-1.05, p=.971) |  |
| AMC | 0.6 ± 0.2 | 0.6 ± 0.2 | 4.38 (3.73-5.15, p<.001) | 3.17 (2.55-3.94, p<.001) |
| AEC | 0.2 ± 0.3 | 0.2 ± 0.2 | 0.79 (0.66-0.94, p=.007) | 0.84 (0.68-1.03, p=.085) |
| ABC | 0.0 ± 0.0 | 0.0 ± 0.0 | 3.30 (0.98-11.13, p=.054) |  |

testdata

| Index | Non\_AS(N=3010)  Mean ± SD | AS (N=2089)  Mean ± SD | OR (univariable) | OR (multivariable) |
| --- | --- | --- | --- | --- |
| WBC | 7.6 ± 3.1 | 8.3 ± 2.4 | 1.11 (1.09-1.14, p<.001) | 0.77 (0.70-0.83, p<.001) |
| PLT | 273.6 ± 94.3 | 323.6 ± 101.6 | 1.01 (1.00-1.01, p<.001) | 1.01 (1.00-1.01, p<.001) |
| ANC | 4.6 ± 2.7 | 5.3 ± 2.1 | 1.15 (1.12-1.18, p<.001) | 1.32 (1.21-1.43, p<.001) |
| ALC | 2.2 ± 0.9 | 2.1 ± 0.7 | 0.95 (0.88-1.02, p=.134) |  |
| AMC | 0.6 ± 0.3 | 0.6 ± 0.2 | 3.98 (3.13-5.06, p<.001) | 3.78 (2.72-5.26, p<.001) |
| AEC | 0.2 ± 0.4 | 0.2 ± 0.2 | 0.77 (0.59-1.00, p=.049) | 0.94 (0.69-1.26, p=.664) |
| ABC | 0.0 ± 0.1 | 0.0 ± 0.0 | 0.79 (0.29-2.16, p=.642) |  |