

Hacibey et al. Comparison of inflammation-based biomarkers in metastatic testicular cancer at initial diagnosis

Supplementary Table 1. Comparison of demographic, clinical, and inflammatory characteristics between metastatic and non-metastatic testicular germ cell tumor patients at initial diagnosis	
Variable	Median (IQR)
Age (years)	31.00 (25.00–39.00)
Tumor diameter (mm)	20.00 (6.12–54.41)
β-hCG	1.20 (0.20–16.00)
AFP	3.69 (1.89–36.10)
LDH	234.00 (187.00–318.00)
SII	608.04 (442.08–947.56)
SIRI	1.65 (1.01–2.43)
AISI	415.90 (237.65–680.11)
NLR	2.38 (1.82–3.29)
LMR	3.36 (2.59–4.39)
PLR	120.17 (91.20–160.94)
Histology, n	
Seminoma	84
Non-seminoma	110
T stage, n	
T1	99
T2	80
T3	15
T4	0
Metastasis (at initial diagnosis), n	
No	166
Yes	28

AISI: Aggregate Index of Systemic Inflammation; LMR: lymphocyte-to-monocyte ratio; NLR: neutrophil-to-lymphocyte ratio; PLR: platelet-to-lymphocyte ratio; SII: Systemic Immune-Inflammation Index; SIRI: Systemic Inflammation Response Index.

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Supplementary Table 2. Univariate logistic regression and ROC analysis of systemic inflammatory indices for predicting metastasis, before and after SMOTE adjustment						
Variable	OR (95% CI) before SMOTE	p	AUC (95% CI)	OR (95% CI) after SMOTE	p	AUC (95% CI)
SII	1.00 (1.00–1.00)	<0.001	0.78 (0.67–0.87)	1.00 (1.00–1.00)	<0.001	0.82 (0.67–0.89)
SIRI	1.43 (1.17–1.74)	0.0004	0.75 (0.62–0.87)	1.54 (1.34–1.78)	<0.001	0.78 (0.61– 0.89)
AISI	1.00 (1.00–1.00)	<0.001	0.74 (0.61–0.86)	1.00 (1.00–1.00)	<0.001	0.78 (0.59–0.88)
NLR	1.47 (1.23–1.76)	<0.001	0.78 (0.68–0.87)	1.64 (1.40–1.92)	<0.001	0.82 (0.67– 0.88)
LMR	0.73 (0.52–1.01)	0.063	0.78 (0.65–0.89)	0.82 (0.72–0.95)	0.008	0.82 (0.64–0.89)
PLR	1.01 (1.00–1.01)	<0.001	0.73 (0.61–0.84)	1.01 (1.00–1.01)	<0.001	0.85 (0.60–0.86)

AUC: area under the curve; AISI: Aggregate Index of Systemic Inflammation; LMR: lymphocyte-to-monocyte ratio; NLR: neutrophil-to-lymphocyte ratio; PLR: platelet-to-lymphocyte ratio; SII: Systemic Immune-Inflammation Index; SIRI: Systemic Inflammation Response Index.