

**Supplementary Table 1. Comparison of clinical characteristics between the patients with low TMTV (< 457.0 cm<sup>3</sup>) and the patients with high TMTV (≥ 457.0 cm<sup>3</sup>)**

Variable	High TMTV (n = 46)	Low TMTV (n = 80)	p value
Age, yr	69.0 (24.0–84.0)	65.0 (17.0–85.0)	0.289
Sex			0.446
Male	26 (56.5)	52 (65.0)	
Female	20 (43.5)	28 (35.0)	
Histologic subtypes			0.514
PTCL-NOS	15 (32.6)	34 (42.5)	
ALCL, ALK (+)	4	7	
ALCL, ALK (-)	4	8	
AITL	18 (39.1)	28 (35.0)	
EATL	2 (4.3)	2 (2.5)	
HSTL	1 (2.2)	0 (0.0)	
MEITL	0 (0.0)	0 (0.0)	
Subtype not classified	2 (4.3)	1 (1.3)	
ECOG PS			0.001
0–1	27 (58.7)	69 (86.3)	
≥ 2	19 (41.3)	11 (13.8)	
Ann arbor stage			> 0.999
I–II	4 (8.7)	25 (31.2)	
III–IV	42 (91.3)	55 (68.8)	
Increased LDH	38 (82.6)	36 (45.0)	< 0.001
Bone marrow involvement	17 (37.0)	18 (22.5)	0.100
B-symptom	19 (41.3)	16 (20.0)	0.002
Extranodal site > 1	27 (58.7)	18 (22.5)	0.001
Bulky mass > 8 cm	3 (6.5)	6 (7.5)	1.000
IPI			< 0.001
Low (0–1)	2 (4.4)	32 (40.0)	
Low-intermediate (2)	8 (17.4)	16 (20.0)	
High-intermediate (3)	15 (32.6)	22 (27.5)	
High (4–5)	21 (45.6)	10 (12.6)	
PIT			0.004
0	1 (2.2)	32 (40.0)	
1	12 (26.1)	30 (37.5)	
2	18 (39.1)	12 (15.0)	
3–4	15 (32.6)	6 (7.5)	
1st line treatment			0.050
CHOP	29 (63.0)	38 (47.5)	
CHOEP	16 (34.8)	42 (52.5)	
Alemtuzumab-CHOP	1 (2.2)	0 (0.0)	

Values are presented as median (range) or number (%).

TMTV, total metabolic tumor volume; PTCL-NOS, peripheral T-cell lymphoma-not otherwise specified; ALCL, anaplastic large cell lymphoma; ALK, anaplastic lymphoma kinase; AITL, angioimmunoblastic T-cell lymphoma; EATL, enteropathy-associated T-cell lymphoma; HSTL, hepatosplenic T-cell lymphoma; MEITL, monomorphic epitheliotropic intestinal T-cell lymphoma; ECOG PS, Eastern cooperative oncology group performance status; LDH, lactate dehydrogenase; IPI, International prognostic index; PIT, prognostic index for T-cell lymphoma; CHOP, cyclophosphamide, doxorubicin, vincristine, and prednisolone; CHOEP, cyclophosphamide, doxorubicin, vincristine, etoposide, and prednisolone.