

		Morphological group <i>n</i> (%)			
		Group I	Group II	Group III	Total
PD1 <i>n</i> =36	–	12 (92)	12 (80)	6 (75)	30
	+	1 (8)	3 (20)	2 (25)	6
	++	0 (0)	0 (0)	0 (8)	0
<i>P</i> =0.613					
PD-L1 <i>n</i> =36	–	4 (31)	6 (40)	2 (25)	12
	+	5 (38)	4 (27)	4 (50)	13
	++	4 (31)	5 (33)	2 (25)	11
<i>P</i> =0.885					
TCR <i>n</i> =32	–	11 (92)	12 (92)	6 (86)	29
	+	1 (8)	1 (8)	1 (14)	3
<i>P</i> =1.0					

Table SI. Programmed death-1 (PD1) expression, programmed cell death-ligand 1 (PD-L1) expression, and T-cell receptor (TCR) gene rearrangement in skin biopsy specimens of patients with hypopigmented mycosis fungoides.

There was no significant difference between the three morphological groups in the PD1 expression, PD-L1 expression and TCR gene rearrangement (*P*=0.613, *P*=0.885, and *P*=1.0, respectively).

Case.No	PD1	PD-L1	TCR	TCRB-A	TCRB-B	TCRB-C	TCRG	TCRD
1	-	++	-					
2	-	++	-					
3	-	+	-					
4	-	++	-					
5	-	++	-					
6	-	-	-					
7	+	+	-					
8	-	-	-					
9	-	-	-					
10	-	-	-					
11	-	++	-					
12	-	+	-					
13	+	++	+					+
14	-	++	+			+	+	
15	-	++	-					
17	-	+	-					
18	+	+	-					
19	-	-	I					
20	-	-	-					
21	-	+	-					
23	+	++	-					
24	+	++	-					
25	-	-	-					
26	-	-	-					
27	NP	NP	NP					
28	-	+	-					
30	-	+	-					
31	-	-	I					
32	NP	NP	NP					
34	NP	NP	NP					
35	NP	NP	NP					
36	-	+	-					
38	NP	NP	NP					
39	NP	NP	NP					
40	-	-	-					
41	-	+	I					
42	-	-	-					
43	-	-	-					
44	-	++	-					
45	-	+	-					
46	+	+	+					+
48	-	+	I					
49	NP	NP	NP					
50	NP	NP	NP					

Table SII. Raw data of programmed death-1 (PD1) expression, programmed cell death-ligand 1 (PD-L1) expression, and T-cell receptor (TCR) gene rearrangement in skin biopsy specimens of 44 patients with hypopigmented mycosis fungoides.

TCRB-A: T-cell receptor β , TubeA; TCRB-B: T-cell receptor β , TubeB; TCRB-C: T-cell receptor β , TubeC; TCRG: T-cell receptor γ ; TCRD: T-cell receptor δ ; NP: not performed; I: insufficient DNA

Characteristic		TCR (-)	TCR (+)	<i>P</i>
		Number (%)	Number (%)	
Sex	Male	24 (83)	2 (67)	0.476
	Female	5 (17)	1 (33)	
	M:F ratio	4.8	2.0	
Age at onset (years)	Median (P ₂₅ , P ₇₅)	8 (6, 10)	15	0.035
	Range	3–14	9–17	
Age at diagnosis (years)	Median (P ₂₅ , P ₇₅)	10 (9, 13)	18	0.074
	Range	4–22	12–21	
Latency period (months)	Median (P ₂₅ , P ₇₅)	24 (9, 54)	36	0.603
	Range	2–156	12–72	
Morphological group	Group I	11 (38)	1 (33.3)	1.0
	Group II	12 (41)	1 (33.3)	
	Group III	6 (21)	1 (33.3)	
Desquamation	Yes	11 (38)	2 (67)	0.552
	No	18 (62)	1 (33)	
Atrophy	Yes	2 (7)	0 (0)	1.0
	No	27 (93)	3 (100)	
TNMB classification	T1aN0M0B0-IA	2 (7)	0 (0)	1.0
	T1bN0M0B0-IA	1 (3)	0 (0)	
	T2aN0M0B0-IB	20 (69)	2 (67)	
	T2bN0M0B0-IB	6 (21)	1 (33)	
Histopathology	Epidermotropism	18 (62)	3 (100)	0.534
	Pautrier's microabscess	11 (38)	0 (0)	
CD4/CD8 (<i>n</i> =20)	Mixed infiltration	12 (63)	1 (100)	1.0
	CD8 pre	5 (26)	0 (0)	
	CD4 pre	2 (11)	0 (0)	
PD1	–	25 (86)	1 (33)	0.083
	+	4 (14)	2 (67)	
	++	0 (0)	0 (0)	
PD-L1	–	10 (34.5)	0 (0)	0.756
	+	10 (34.5)	1 (33)	
	++	9 (31)	2 (67)	
Response (<i>n</i> =19)	CR	17 (94)	1 (100)	1.0
	PR	1 (6)	0 (0)	
Recurrence (<i>n</i> =18)	Yes	2 (12)	0 (0)	1.0
	No	15 (88)	1 (100)	
Treatment time to CR (months) (<i>n</i> =18)	Median (P ₂₅ , P ₇₅)	6 (5, 9)	5	0.434
	Range	4–12	–	

Table SIII. Comparison of T-cell receptor (TCR) gene rearrangement negative and positive patients with hypopigmented mycosis fungoides.