

Supplementary Table S1. Spearman correlations of clinical characteristics with lymphocyte subsets of MSA patients.

Indices	Age at onset		Disease duration	
	R	P	R	P
Lymphocyte Subsets				
Total T cells (CD3 ⁺ CD19 ⁻) (%)	-0.375	0.074	0.070	0.736
Total T cell count (CD3 ⁺ CD19 ⁻) (/μL)	-0.108	0.600	-0.030	0.885
Total B cells (CD3 ⁻ CD19 ⁺) (%)	-0.277	0.170	0.054	0.794
Total B cell count (CD3 ⁻ CD19 ⁺) (/μL)	-0.201	0.325	-0.001	0.997
T/B (×10 ⁹ /L)	0.144	0.484	-0.025	0.904
NK cells (CD3 ⁻ CD16 ⁺ CD56 ⁺) (%)	0.463	0.017	-0.126	0.539
NK cell count (CD3 ⁻ CD16 ⁺ CD56 ⁺) (/μL)	0.427	0.030	-0.111	0.588
T+B+NK (%)	-0.361	0.070	0.093	0.653
T+B+NK cell count (/μL)	-0.057	0.784	-0.048	0.817
T cells Subsets				
Th cells (CD3 ⁺ CD4 ⁺) (%)	-0.036	0.860	-0.142	0.488
Th cell count (CD3 ⁺ CD4 ⁺) (/μL)	-0.074	0.718	-0.152	0.460
Tc cells (CD3 ⁺ CD8 ⁺) (%)	-0.248	0.223	0.282	0.162
Tc cell count (CD3 ⁺ CD8 ⁺) (/μL)	-0.300	0.137	0.356	0.075
Th/Tc	0.171	0.403	-0.311	0.122
Th (CD3 ⁺ CD4 ⁺ CD28 ⁺)/Th (%)	-0.274	0.176	-0.286	0.156
Tc (CD3 ⁺ CD8 ⁺ CD28 ⁺)/Tc (%)	-0.264	0.192	-0.372	0.061
Activated T cells (CD3 ⁺ HLA-DR ⁺) (%)	0.116	0.573	0.343	0.086
Activated Tc cells (CD3 ⁺ CD8 ⁺ HLA-DR ⁺)/Tc (%)	0.462	0.017	0.349	0.080
Treg (%) (CD3 ⁺ CD4 ⁺ CD25 ⁺ CD127low ⁺)	0.119	0.563	0.093	0.650
Natural Treg (%) (CD45RA ⁺ CD3 ⁺ CD4 ⁺ CD25 ⁺ CD127low ⁺)	-0.097	0.636	0.109	0.598
Induced Treg (%) (CD45RO ⁺ CD3 ⁺ CD4 ⁺ CD25 ⁺ CD127low ⁺)	0.164	0.422	0.057	0.784
Induced Treg/Natural Treg	-0.259	0.202	-0.046	0.822

Abbreviations: HC, healthy controls; MSA, multiple system atrophy; NK cell, natural killer cell; Tc cell, cytotoxic T cell; Th cell, helper T cell; Treg, regulatory T cell.