

Table S1: Estimations of association between SLE (n=54) and autonomic nervous system variables using healthy subjects (n=54) as reference by unadjusted and adjusted logistic regression analyses.

	Unadjusted		Adjusted for MAP		Adjusted for HR		Adjusted for smoking status		Adjusted for ACE-inhibitor	
	OR (95%CI)	p	OR (95%CI)	p	OR (95%CI)	p	OR (95%CI)	p	OR (95%CI)	p
HRV indices										
SDNN, ln(ms)	0.41 (0.19-0.88)	0.023	0.40 (0.17-0.92)	0.031	0.48 (0.21-1.09)	0.08	0.43 (0.19-0.94)	0.034	0.46 (0.21-0.98)	0.045
RMSSD, ln(ms)	0.51 (0.31-0.85)	0.009	0.45 (0.25-0.79)	0.006	0.58 (0.33-1.01)	0.05	0.52 (0.31-0.88)	0.015	0.54 (0.32-0.90)	0.018
LF, ln(ms ²)	0.76 (0.55-1.04)	0.08	0.71 (0.50-1.01)	0.06	0.85 (0.60-1.20)	0.34	0.78 (0.56-1.09)	0.14	0.76 (0.55-1.05)	0.10
HF, ln(ms ²)	0.60 (0.45-0.81)	0.001	0.53 (0.37-0.74)	<0.001	0.63 (0.46-0.86)	0.004	0.62 (0.46-0.83)	0.002	0.63 (0.47-0.84)	0.002
TP, ln(ms ²)	0.63 (0.44-0.91)	0.014	0.58 (0.39-0.88)	0.010	0.69 (0.46-1.02)	0.063	0.65 (0.45-0.97)	0.032	0.66 (0.46-0.96)	0.030
LF/HF-ratio, ln	1.90 (1.27-2.29)	0.002	2.12 (1.35-3.33)	0.001	1.83 (1.21-2.76)	0.004	1.89 (1.24-2.88)	0.003	1.78 (1.17-2.70)	0.007
CARTs										
RS-ratio, ln	0.00 (0.00-0.01)	<0.001	0.00 (0.00-0.00)	<0.001	0.00 (0.00-0.00)	<0.001	0.00 (0.00-0.01)	<0.001	0.00 (0.00-0.01)	<0.001
EI-ratio, ln	0.03 (0.01-0.92)	0.045	0.01 (0.00-0.25)	0.009	0.03 (0.01-1.09)	0.05	0.03 (0.01-1.04)	0.05	0.03 (0.00-1.26)	0.07
VM-ratio, ln	0.01 (0.00-0.14)	0.001	0.00 (0.00-0.08)	0.001	0.01 (0.01-0.22)	0.003	0.01 (0.00-0.17)	0.002	0.07 (0.00-0.14)	0.001
CAN stage	3.34 (1.76-6.58)	<0.001	4.61 (2.15-9.87)	<0.001	3.14 (1.59-6.20)	0.001	3.57 (1.72-7.38)	0.001	3.34 (1.70-6.79)	0.001

MAP: Mean arterial pressure; HR: Heart rate; ACE: Angiotensin converting enzyme; OR: Odds ratio; CI: Confidence interval; HRV: Heart rate variability; SDNN: Standard deviation of all NN-intervals; RMSSD: Root mean square of successive differences between normal heartbeats; LF: Low frequency power; HF: High frequency power; TP: Total power; CARTs: cardiovascular autonomic reflex tests; RS: Response to standing; EI: Expiration/inspiration; VM: Valsalva maneuver; CAN: Cardiovascular autonomic neuropathy; For all comparisons p < 0.05 indicated statistical significance.