

Table 1. shows demographic and clinical data and the SLEDAI Score of the study group

Age(years)	-SLE group mean=30 (22-54) -Control group mean= 34 (21-51)
Sex (Female to male ratio)	-SLE group 57-3(95%-5%) -control group26-4 (86.6%-13.3%)
Disease duration (years)	Mean $\pm$ SD (5.1 $\pm$ 3.57)
Clinical manifestations	(Number of cases (Percent))
Constitutional	28 (46.4%)
-Mucocutaneous	43 (71.6%)
-Musculoskeletal	31 (51.7%)
-Pulmonary	15(25%)
-Cardiovascular	12(20%)
-Hematological	27(45%)
-Lupus nephritis	29(48.3%)
-Gastrointestinal	17(28.3%)
SLE-DAI score (frequency)	
-Mild	7
- Moderate	19
-Severe	26
-High severe	8

Table 2. Manifestations of NPSLE patients

SLE without neuropsychiatric manifestations	30(50%)
SLE with neuropsychiatric manifestations	30(50%)
-Psychosis	6 (20%)
-Stroke	5(16.6%)
-Seizures	8 (26.7%)
-Myelitis	1(3.3%)
-Peripheral neuropathy	2 (6.7%)
-Acute confusional state	5 (16.6%)
-Optic neuropathy	3 (10%)

Table 3. DMARD therapy used by the study group

Disease-modifying therapy	Number of cases
Hydroxychloroquine	59
Azathioprine	49
Cyclophosphamide	45
Mycophenolate Mofetil	11
Corticosteroid therapy	
Oral dose	10(5-40)
I.V dose (cumulative doses number)	1(0-6)

Table (4) Relation between P300 latency and different antibodies among SLE (NPSLE and non-NPSLE)cases(60 cases)

P300 latency	Positive group	Negative group	P-value
Anti-ribosomal-p			
Mean ± SD	426.53 ± 104.98	388.07 ± 42.13	0.14
Median (IQR)	374 (358-474)	372 (370-381)	
Anti-nucleosome antibody			
Mean ± SD	398.81 ± 56.59	417 ± 103.68	0.8
Median (IQR)	374 (361.25-447.75)	372 (367-464.5)	
Anti-double strand DNA			
Mean ± SD	424.64 ± 88.66	359.63 ± 7.42	< 0.001
Median (IQR)	377.5 (372-472.5)	358 (355-367)	
Anti-RNP			
Mean ± SD	425.21 ± 94.93	376.36 ± 33.77	0.1
Median (IQR)	374 (370-472)	372 (358-374)	

Table 5. Results of P300 latencies and MoCA scores in SLE(NPSLE &non-NPSLE) patients and control group.

	All SLE	Control	NPSLE	Non-NPSLE
P300 Latencies in ms at Cz point	Median(Range) 374 (299-543)	Median(Range) 299(265-335)	Median(Range) 373(351-536)	Median(Range) 377(299-543)
	P value <0.0001		P value 0.824	
P300 latencies in ms at fz point	Median(Range) 375(300-540)	Median(Range) 299(260-345)	Median(Range) 375(352-536)	Median(Range) 379(300-540)
	P value<0.0001		P value0.6	
P300 latencies in ms at pz point	Median(Range) 377(298-543)	Median(Range) 300(269-344)	Median(Range) 377(352-535)	Median(Range) 377(298-543)
	P value<0.0001		P value0.5	
P300 amp at Cz	Median(Range) 6.8(1.8-19.9)	Median(Range) 6.3(3.5-20.3)	Median(Range) 9.1(2.6-16.2)	Median(Range) 6.4(1.8-19.9)
	P value0.99		P value0.16	
P300 amp at fz	Median(Range) 6.7(2.3-19)	Median(Range) 5.4(2.4-21.2)	Median(Range) 9.9(3.1-13.2)	Median(Range) 5.1(2.3-19)
	P value0.61		P value0.19	
P300 amp at Pz	Median(Range) 5.3(1.5-14.3)	Median(Range) 6.4(3.6-21.8)	Median(Range) 5.9(2.7-14.3)	Median(Range) 5.2(1.5-13.66)
	P value0.055		P value 0.3	
MoCA score	Median(Rang) 24(17-30)	Median(Rang) 28(27-30)	Median(Rang) 23.5(18-30)	Median(Range) 24.5(17-30)
	P value <0.001		P value0.733	