

**Supplementary file 4.** CNS infections in SLE patients with different etiology findings

	Bacterium (n=27)	Cryptococcus (n=18)	Mycobacterium (n=11)	P value
Interval from CNS onset to CNS infections diagnosis, days, median (IQR)	4 (2-14)	22 (6-51)	24 (7-55)	<b>&lt;0.01</b>
SLEDAI-2K $\geq$ 10 at infections, n (%)	13 (48.1)	3 (16.7)	1 (9.1)	<b>&lt;0.05</b>
Treatment, n (%)				
Pulse GCs	7 (25.9)	9 (50.0)	4 (36.4)	0.256
CTX/MMF in past 1 year	13 (48.1)	11(61.1)	8(72.7)	0.350
CNS manifestation, n (%)				
Consciousness disturbance	16 (59.3)	3 (16.7)	6 (54.5)	<b>&lt;0.05</b>
Meningeal irritation	22 (81.5)	7 (38.9)	8 (72.7)	<b>&lt;0.05</b>
CSF examination				
Pressure $>$ 300 mmH <sub>2</sub> O, n (%)	12 (44.4)	12 (66.7)	7 (63.6)	0.347
Protein, g/L, mean (SD)	1.65 (1.07)	1.50 (1.41)	1.73 (0.80)	0.859
Glucose, mmol/L, mean (SD)	1.77 (1.17)	2.01 (1.61)	1.71 (1.21)	0.787
Laboratory data				
Peripheral WBCs, 10 <sup>6</sup> /L, mean (SD)	11192 (8295)	7893 (4031)	7966 (3345)	0.172
ESR, mm/h, mean (SD)	62.5 (43.5)	52.3 (43.4)	40.6 (28.2)	0.320
Mortality rate <sup>#</sup> , n (%)	10 (37.0)	3 (16.7)	3 (27.3)	0.221

SLE: systemic lupus erythematosus; CNS: central nervous system; SLEDAI-2K: systemic lupus erythematosus disease activity index 2000; GCs: glucocorticosteroids; CTX: cyclophosphamide; MMF: mycophenolate mofetil; CSF: cerebrospinal fluid; WBCs: white blood cells; ESR: erythrocyte sedimentation rate,<sup>#</sup> Evaluated at one year of the diagnosis of CNS infections or NPSLE.