

1 **PONE-D-17-15170**

2 **Cerebrospinal fluid B cells and disease progression in multiple sclerosis - A longitudinal prospective**
3 **study**

4 **Supporting Information**

5 **Supplementary Table**

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8 **S1 Table. Differences in lymphocyte populations and cerebrospinal fluid parameters between patients with other inflammatory and**
 9 **noninflammatory neurological diseases.**

	Other inflammatory neurological diseases	Other non- inflammatory neurological diseases	P-value Univariate analysis	P-value Multivariate analysis
Number of patients	10	30		
Females	6 (60%)	20 (67%)	0.718 ¹	
Age at sampling (years) ¹	34.7 (33.4, 46.1)	39.4 (33.6, 45.3)	0.420 ²	
CSF leukocytes / μl ¹	44.4 (0.0, 97.6)	2.7 (0.9, 4.6)	0.002 ³	
CSF IgG index ¹	1.00 (0.54, 1.47)	0.51 (0.47, 0.55)	<0.001 ³	
CSF albumin quotient ¹	5.78 (2.30, 9.25))	5.95 (4.65, 7.25)	0.905 ³	
CSF IgG oligoclonal bands	3/9 (33%)	2/27 (7%)	0.088 ¹	
CSF CD3+ cells ¹	92.5 (88.8, 96.2)	91.4 (89.1, 93.6)	0.655 ³	0.789 ⁴
CSF CD19+CD138- cells (%) ¹	1.58 (0.81, 2.36)	0.73 (0.54, 0.92)	0.012 ³	0.219 ⁴
CSF CD19+CD138+ cells (%) ¹	0.73 (0.09, 1.36)	0.29 (0.16, 0.42)	0.082 ³	0.198 ⁴
CSF CD19-CD138+ cells (%) ¹	0.55 (0.04, 1.15)	0.15 (0.09, 0.21)	0.004 ³	0.099 ⁴
CSF CD3-CD19-CD138- cells (%) ¹	4.67 (1.96, 7.37)	7.39 (4.94, 9.84)	0.104 ³	0.709 ⁴

10 ¹ means with 95% confidence intervals. For the univariate analysis groups were compared using ¹ Fisher's exact test and ² independent
11 samples Student's t-test and ³ independent samples Student's t-test with log-transformed data. ⁴ log-transformed data were compared using
12 multivariate 2-way ANOVA with sex, age and CSF leukocyte cell numbers as covariates, exclude confounders.

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