**Table S5.** Laboratory test results in the total cohort and across disease course and symptom burden groups.

|  |  |  |
| --- | --- | --- |
| Laboratory tests | Disease course  | PANS symptom burden |
|
|
|   | Total (n=27) | Non-chronic course (n=22) | Chronic course (n=12) | Comparison non-chronic vs chronic | Asymptomatic  | Current PANS-symptoms | Comparison asymptomatic vs current symptoms |
|
|   | n | % | n | % | n | % | χ2 | p | n | % | n | % | χ2 | p |
| Protein fractions abnormalities (incl CRP) | 20 | 74 | 13 | 72 | 7 | 78 | 0.1 | 0.76 | 7 | 64 | 13 | 81 | 1.05 | 0.31 |
| CBCa abnormalities  | 18 (n total=26) | 69 | 14 | 78 | 4 | 50 | 2 | 0.16 | 7 | 64 | 11 | 73 | 0.28 | 0.6 |
| IgGb sub-class deficiencies | 11 | 41 | 6 | 33 | 5 | 56 | 1.23 | 0.27 | 6 | 55 | 5 | 31 | 1.47 | 0.23 |
| Elevated IL-1-βc | 9 (n total=25) | 36 | 3 | 18 | 6 | 75 | 7.77 | 0.01\* | 1 | 10 | 8 | 53 | 4.89 | 0.03\* |
| Complement abnormalities | 6 | 22 | 5 | 28 | 1 | 11 | 0.96 | 0.33 | 4 | 36 | 2 | 13 | 2.15 | 0.14 |
| Low vitamin D | 6 | 22 | 4 | 22 | 2 | 22 | 0 | 1 | 3 | 27 | 3 | 19 | 0.27 | 0.6 |
| Low IgAd | 6 | 22 | 3 | 17 | 3 | 33 | 0.96 | 0.33 | 1 | 9 | 5 | 31 | 1.85 | 0.17 |
| Elevated IL-10e  | 5 (n total=25) | 20 | 2 | 12 | 3 | 38 | 5.72 | 0.46 | 1 | 10 | 4 | 27 | 1.04 | 0.31 |
| Elevated TNF-αf | 5 (n total=26) | 19 | 0 | 0 | 5 | 56 | 11.69 | <0.001\* | 0 | 0 | 5 | 31 | 3.87 | 0.05\* |
| Elevated anti-TPOg | 5 | 19 | 3 | 17 | 2 | 22 | 0.12 | 0.73 | 3 | 27 | 2 | 13 | 0.94 | 0.33 |
| TSHh abnormalities | 4 | 15 | 3 | 17 | 1 | 11 | 0.15 | 0.70 | 2 | 18 | 2 | 13 | 0.17 | 0.68 |
| Positive throat culture  | 3 (n total=25) | 12 | 2 | 12 | 1 | 13 | 0 | 0.96 | 0 | 0 | 3 | 21 | 2.68 | 0.1 |
| Low T4i | 3 | 11 | 2 | 11 | 1 | 11 | 0 | 1 | 0 | 0 | 3 | 19 | 2.32 | 0.13 |
| Elevated IgMj | 3 | 11 | 0 | 0 | 3 | 33 | 6.75 | 0.01\* | 0 | 0 | 3 | 19 | 2.32 | 0.13 |
| Low ferritin | 3 | 11 | 1 | 6 | 2 | 22 | 1.69 | 0.19 | 0 | 0 | 3 | 19 | 2.32 | 0.13 |
| Positive ANAk | 2 | 7 | 1 | 6 | 1 | 11 | 0.27 | 0.6 | 0 | 0 | 2 | 13 | 1.49 | 0.22 |
| Elevated ALATl | 2 | 7 | 1 | 6 | 1 | 11 | 0.27 | 0.6 | 1 | 9 | 1 | 6 | 0.08 | 0.78 |
| Elevated ESRm | 1 (n total=26) | 4 | 0 | 0 | 1 | 13 | 2.34 | 0.13 | 0 | 0 | 1 | 7 | 0.76 | 0.76 |
| Elevated CRPn | 1 | 4 | 1 | 6 | 0 | 0 | 0.52 | 0.47 | 0 | 0 | 1 | 6 | 0.71 | 0.4 |
| Elevated SAAo  | 1 | 4 | 1 | 6 | 0 | 0 | 0.52 | 0.47 | 0 | 0 | 1 | 6 | 0.71 | 0.4 |
| Low IgGb | 1 | 4 | 0 | 0 | 1 | 11 | 2.08 | 0.15 | 0 | 0 | 1 | 6 | 0.71 | 0.4 |
| Cystatin C abnormalities | 0 | 0 | 0 | 0 | 0 | 0 | . | . | 0 | 0 | 0 | 0 | . | . |
| Elevated transglutaminase antibodies | 0 | 0 | 0 | 0 | 0 | 0 | . | . | 0 | 0 | 0 | 0 | . | . |
| Elevated IL-6p | 0 (n total=26) | 0 | 0 | 0 | 0 | 0 | . | . | 0 | 0 | 0 | 0 | . | . |
| Elevated IL-8q  | 0 (n total=26) | 0 | 0 | 0 | 0 | 0 | . | . | 0 | 0 | 0 | 0 | . | . |

aCBC: Complete Blood Count

bIgG: Immunoglobulin G

cIL-1-β: Interleukin 1 β

dIgA: Immunoglobulin A

eIL-10: Interleukin 10

fTNF-α: Tumor Necrosis Factor α

gAnti-TPO: Thyroid Peroxidase Antibodies

hTSH: Thyroid Stimulating Hormone

iT4: Thyroxine

jIgM: Immunoglobulin M

kANA: Antinuclear Antibodies

lALAT: Alanine Aminotransferase

mESR: Erythrocyte Sedimentation Rate

nCRP: C-reactive Protein

oSAA: Serum Amyloid A

pIL-6: Interleukin 6

qIL-8: Interleukin 8