

Supplementary table 1 - Clinical presentation of patients who resolved Lyme disease compared with patients with persistent symptoms

| | Resolved Lyme (n=15) | Persistent symptoms ¹ , non-PTLDS (n=9) | Persistent symptoms ¹ , PTLDS (n=4) | <i>p</i> (resolved vs. persistent) ² |
|--|-----------------------|--|--|---|
| Disseminated Lesions | 6/15 (40%) | 5/9 (33%) | 1/4 (25%) | 0.743 |
| Duration of Acute Illness, days ³ | 5.2 (1.9-8.5) [1-14] | 9.7 (5.6-13.8) [2-14] | 19.3 (0.2-38.3) [3-42] | 0.036 |
| Number of Reported Symptoms, V1 | 8.8 (4.9-12.7) [4-15] | 12.7 (6.6-18.8) [5-21] | 14.3 (7.2-21.3) [4-19] | 0.040 |
| flu-like symptoms ⁴ | 11/15 (73%) | 7/9 (78%) | 3/4 (75%) | 0.826 |
| fatigue | 14/15 (93%) | 9/9 (100%) | 3/4 (75%) | 0.916 |
| neurological symptoms ⁵ | 9/15 (60%) | 8/9 (89%) | 4/4 (100%) | 0.049 |
| pain | 13/15 (87%) | 7/9 (78%) | 4/4 (100%) | 0.877 |
| joint swelling | 0/15 (0%) | 0/9 (0%) | 1/4 (25%) | 0.274 |
| cognitive disorder ⁶ | 3/15 (20%) | 4/9 (44%) | 1/4 (25%) | 0.281 |
| heart condition ⁶ | 1/15 (7%) | 1/9 (11%) | 0/4 (0%) | 0.916 |
| Number of Reported Symptoms, V2 | 9.4 (5.1-13.8) [4-18] | 13.3 (6.9-19.8) [5-22] | 17.3 (10-24.5) [7-24] | 0.029 |
| flu-like symptoms ⁴ | 0/14 (0%) | 0/9 (0%) | 2/4 (50%) | 0.115 |
| fatigue | 1/14 (7%) | 0/9 (0%) | 1/4 (25%) | 0.916 |
| neurological symptoms ⁵ | 1/14 (7%) | 2/9 (22%) | 2/4 (50%) | 0.097 |
| pain | 1/14 (7%) | 1/9 (11%) | 3/4 (75%) | 0.097 |
| joint swelling | 0/14 (0%) | 0/9 (0%) | 1/4 (25%) | 0.274 |
| cognitive disorder ⁶ | 1/14 (7%) | 1/9 (11%) | 1/4 (25%) | 0.457 |
| heart condition ⁶ | 0/14 (0%) | 0/9 (0%) | 0/4 (0%) | N/A |
| Number of Reported Symptoms, V5 | 1.6 (-0.5-3.7) [0-8] | 7.7 (1.7-13.7) [1-19] | 9.5 (.4-18.6) [3-23] | 0.004 |
| flu-like symptoms ⁴ | 0/15 (0%) | 1/9 (11%) | 1/4 (25%) | 0.115 |
| fatigue | 0/15 (0%) | 4/9 (44%) | 3/4 (75%) | 0.001 |
| neurological symptoms ⁵ | 1/15 (7%) | 3/9 (33%) | 2/4 (50%) | 0.041 |
| pain | 3/15 (20%) | 6/9 (67%) | 2/4 (50%) | 0.025 |
| joint swelling | 1/15 (7%) | 2/9 (22%) | 0/4 (0%) | 0.457 |
| cognitive disorder ⁶ | 0/15 (0%) | 5/9 (56%) | 4/4 (100%) | 9.15E-05 |
| heart condition ⁷ | 0/15 (0%) | 1/9 (11%) | 1/4 (25%) | 0.115 |

¹ Persistent symptoms (non-PTLDS or PTLDS) include fatigue, widespread musculoskeletal pain (involving ≥ 3 sites) and/or cognitive dysfunction; PTLDS, post-treatment Lyme disease syndrome

² Significant *p*-values in bold

³ Defined as time from onset of EM rash and/or flu-like symptoms to study enrollment and treatment initiation

⁴ Flu-like symptoms include fever, chills, sweats

⁵ Neurological symptoms include paresthesia, facial weakness, headache, vision changes, sensitivity to light

⁶ Cognitive disorders include difficulty focusing or concentrating, difficulty finding words, memory changes

⁷ Heart condition includes heart palpitations (fast, slow, skipped beats)