**Supplemental Digital Content 1:** Non-specific symptoms in 149 children who visited the Lyme Center Apeldoorn between 2008 and 2017

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Non-specific symptoms** | **Overall**  **(N=149)** | **Negative IgG serology (N=108)** | **Positive IgG serology (N=41)** | **P** | **No history of clinical LB (N=101)** | **History of clinical LB**  **(N=48)** | **P** |
|  | **% (n)** | **% (n)** | **% (n)** |  | **% (n)** | **% (n)** |  |
| **Sleep disturbance, waking up tired** | 58 (86) | 56 (61) | 61 (25) | 0.620 | 66 (67) | 40 (19) | 0.002 |
| **Severe fatigue** | 57 (85) | 58 (63) | 54 (22) | 0.607 | 62 (63) | 46 (22) | 0.057 |
| **Headache** | 42 (62) | 44 (48) | 34 (14) | 0.255 | 46 (46) | 33 (16) | 0.158 |
| **Joint pain/ swelling** | 38 (56) | 41 (44) | 29 (12) | 0.197 | 43 (43) | 27 (13) | 0.068 |
| **Concentration problems\*** | 37 (55) | 38 (41) | 34 (14) | 0.666 | 43 (43) | 25 (12) | 0.038 |
| **Dizziness, vertigo, increased motion sickness** | 30 (45) | 34 (37) | 20 (8) | 0.080 | 38 (38) | 15 (7) | 0.004 |
| **Stomach ache, abdominal pain** | 28 (41) | 31 (33) | 20 (8) | 0.178 | 33 (33) | 17 (8) | 0.041 |
| **Mood swings, irritability, anger outbursts** | 26 (39) | 27 (29) | 24 (10) | 0.760 | 31 (31) | 17 (8) | 0.069 |
| **Pain muscle/sinew** | 25 (37) | 27 (29) | 20 (8) | 0.354 | 32 (32) | 10 (5) | 0.005 |
| **Tingling, numbness, burning/stabbing pain** | 25 (37) | 27 (29) | 20 (8) | 0.354 | 34 (34) | 6 (3) | <0.001 |
| **Appetite loss** | 19 (29) | 21 (23) | 15 (6) | 0.359 | 24 (24) | 10 (5) | 0.055 |
| **Unexplained sweats, night sweats** | 19 (29) | 19 (20) | 22 (9) | 0.636 | 25 (25) | 8 (4) | 0.018 |
| **Sombreness, anxiety, fretting** | 17 (26) | 19 (20) | 15 (6) | 0.577 | 20 (20) | 13 (6) | 0.272 |
| **Shortness of breath, coughing** | 16 (24) | 19 (21) | 7 (3) | 0.072 | 19 (19) | 10 (5) | 0.193 |
| **Pain lower abdomen** | 15 (22) | 17 (18) | 10 (4) | 0.288 | 18 (18) | 8 (4) | 0.127 |
| **Frequent infections** | 11 (17) | 11 (12) | 12 (5) | 1.000 | 10 (10) | 15 (7) | 0.401 |
| **Sore throat** | 8 (12) | 10 (11) | 2 (1) | 0.181\*\* | 11 (11) | 2 (1) | 0.104\*\* |

LB, Lyme borreliosis.

\*Concentration problems include problems absorbing new information, difficulty reading

\*\*Fisher’s exact test