**Supplementary material 1**

**Table 1.** NCS parameters in motor and sensory nerves

|  |  |  |  |
| --- | --- | --- | --- |
| **Motor nerves** | **Baseline** | **PNP diag (6 m)** | **16 m** |
| **Right medianus*** Latency distal [ms] N: 4.7 ms
* Amplitude mean [mV] N: 3.8 mV
* CV mean [m/s] N: 47 m/s
* F-wave [ms] N: 25–32 ms
 | 3.67.15527.9 | 4.25.451.130 | 3.94.854.230.9 |
| **Left medianus*** Latency distal [ms] N: 4.7 ms
* Amplitude mean [mV] N: 3.8 mV
* CV mean [m/s] N: 47 m/s
* F-wave [ms] N: 25–32 ms
 | 3.44.251.426.3 | 5.42.639.527.8 | 4.43.450.329.2 |
| **Right ulnaris*** Latency distal [ms] N: 3.7 ms
* Amplitude mean [mV] N: 7.9 mV
* CV mean [m/s] N: 50 m/s
* F-wave [ms] N: 25–32 ms
 | 3.36.353.830.7 | 3.35.749.330.7 | 3.24.846.729.7 |
| **Left ulnaris*** Latency distal [ms] N: 3.7 ms
* Amplitude mean [mV] N: 7.9 mV
* CV mean [m/s] N: 50 m/s
* F-wave [ms] N: 25–32 ms
 | 3.36.056.228.4 | 3.75.647.231.1 | 3.36.144.030.2 |
| **Right tibialis*** Latency distal [ms] N: 6.1 ms
* Amplitude mean [mV] N: 1.1 mV
* CV mean [m/s] N: 34 m/s
* F-wave [ms] N: 45–56 ms
 | 4.31.943.359.7 | 1.20.830.859.8 | 4.90.641.966 |
| **Left tibialis*** Latency distal [ms] N: 6.1 ms
* Amplitude mean [mV] N: 1.1 mV
* CV mean [m/s] N: 34 m/s
* F-wave [ms] N: 45–56 ms
 | 3.83.642.359.6 | 1.21.235.269.8 | 3.90.442.359.8 |
| **Right peroneus** | No response detected |
| **Left peroneus*** Latency distal [ms] N: 6.5 ms
* Amplitude mean [mV] N: 1.1 mV
* CV mean [m/s] N: 36 m/s
* F-wave [ms] N: 45–56 ms
 | 6.30.441.8– | 0.30.336.2– | 8.9–– |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sensory nerves** | **Baseline** | **PNP diag (6 m)** | **16 m** |
| **Right medianus*** Latency [ms]
* Amplitude [mV]
* CV [m/s]
 | 4.22.852.9 | 4.60.241.5 | ––– |
| **Left medianus*** Latency [ms]
* Amplitude [mV]
* CV [m/s]
 | 4.63.546.1 | ––– | ––– |
| **Right ulnaris*** Latency [ms]
* Amplitude [mV]
* CV [m/s]
 | 4.21.544.4 | 4.40.640.5 | ––– |
| **Left ulnaris*** Latency [ms]
* Amplitude [mV]
* CV [m/s]
 | 4.20.541.7 | ––– | ––– |
| **Right suralis*** Latency [ms]
* Amplitude [mV]
* CV [m/s]
 | 3.74.441.7 | ––– | ––– |
| **Left suralis*** Latency [ms]
* Amplitude [mV]
* CV [m/s]
 | 4.61.738.2 | ––– | ––– |

CV — conduction velocity; PNP — polyneuropathy

**Table 2.** Laboratory findings

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Baseline | PNP diag6 m | 7 m | 9 m |
| Hcy [umol/L] N: 5–12 | 33.9 | > 50 | 20.4 | 15.9 |
| Folic acid [ng/mL] N: 3.1–17.5 | 4.91 | 2.83 | 17.1 | > 20 |
| B12 [pg/mL] N: 191–663 | 197 | 156 | 599 | 2289 |

B12 — vitamin B12l; Hcy — homocysteine; PNP — polyneuropathy

**Vitamin supplementation doses:**

Vitamin B12, intramuscular — primarily 1000 µg every second day (5 doses — 10 days), next 1000 µg once a week and finally 1000 µg once a month — for 9 months.

Vitamin B1 — primarily intravenous 200 mg/d for 10 days, next 100 mg/d for 4 weeks and finally 25 mg intramuscular twice a week — for 9 months.

Vitamin B6, intramuscular — primarily 100 mg/d for 10 days, next and finally 50 mg/d for 4 weeks

Folic acid, per os — 30 mg/d for 10 days, next 20 mg/d for 4 weeks and finally 5 mg/d for 9 months.