**e-Table 1. Summary of electrophysiological studies in a child with CIDP associated with anti-contactin 1 antibodies**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Motor conduction studies | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Distal motor latency, ms | | | | | | | Amplitude, mv | | | | | | | | | | Conduction velocity, m/s | | | | | | |
|  | Onset | | 1 Month | | 1 Year | 5 Years | | Onset | | | 1 Month | 1 Year | | | 5 Years | | | Onset | 1 Month | | | 1 Year | | 5 Years |
| Right median motor nerve (NR) | 2.6  (2.34 ± 0.23SD) | | 2.6  (2.34 ± 0.23SD) | | NP | 2.83  (2.56 ± 0.29SD) | | 6.0  (5.96 ± 2.01SD) | | | 4.0  (5.96 ± 2.01SD) | NP | | | 6.2  (6.96 ± 2.33SD) | | | 44.0  (52.71 ± 3.71SD) | 45.7  (52.71 ± 3.71SD) | | | NP | | 54.1  (56.48 ± 2.36SD) |
| Right peroneal motor nerve (NR) | 2.2  (2.57 ± 0.4SD) | | **4.8\*\***  (2.57 ± 0.4SD) | | **5.8\*\***  (2.57 ± 0.4SD) | **4.24\***  (3.02 ± 0.48SD) | | **0.6\***  (4.25 ± 1.59SD) | | | **0.1\***  (4.25 ± 1.59SD) | **0.8\***  (4.25 ± 1.59SD) | | | **0.99\***  (3.78 ± 1.23SD) | | | 53.7  (51.21 ± 3.95SD) | **21.9\*\***  (51.21 ± 3.95SD) | | | **34.8\*\***  (51.21 ± 3.95SD) | | 41.6  (53.99 ± 3.74SD) |
| Left peroneal motor nerve (NR) | 3.8  (2.57 ± 0.4SD) | | NP | | **5.2\*\***  (2.57 ± 0.4SD) | **4.75\***  (3.02 ± 0.48SD) | | **0.7\***  (4.25 ± 1.59SD) | | | NP | **0.2\***  (4.25 ± 1.59SD) | | | **0.40\***  (3.78 ± 1.23SD) | | | 46.8  (51.21 ± 3.95SD) | NP | | | **37.8\*\***  (51.21 ± 3.95SD) | | 41.9  (53.99 ± 3.74SD) |
| Sensory conduction studies | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Amplitude, mv | | | | | | | | | | | Conduction velocity, m/s | | | | | | | | | | | |
|  | | Onset | | 1 Month | | | 1 Year | | 5 Years | | | | Onset | | | 1 Month | | | | 1 Year | | | 5 Years | |
| Median sensory nerve (NR) | | NP | | 24  (12.02 ± 5.89SD) | | | NP | | NP | | | | NP | | | 50  (48.81± 3.02SD) | | | | NP | | | NP | |
| Sural sensory nerve (NR) | | **1.8\***  (3.81 ± 1.53SD) | | NP | | | NP | | 2.02  (2.27 ± 0.83SD) | | | | NP | | | NP | | | | NP | | | 46.5  (48.24 ± 3.67SD) | |
| Electromyography studies | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | Onset | | | | 1 Month | | | 1 Year | | | | 5 Years | | | |
| Positive sharp waves and fibrillation potentials | | | | | | | | | | NP | | | | **Yes \*\*\*** | | | **Yes \*\*\*** | | | | NP | | | |
| Chronic neurogenic pattern | | | | | | | | | | NP | | | | No | | | No | | | | **Yes \*\*\*** | | | |

Abbreviations: mv: millivolts; m/s: meters per second; NP: not performed; NR: normal range; SD: standard deviation.

Note highlighted \*low amplitudes in right and left peroneal motor nerves and sural sensory nerve at onset. \*\*Distal motor latencies were prolonged in peroneal motor nerve and conduction velocities were slowing, within the range of a demyelinating neuropathy at 1month and 1 year after onset. \*\*\*Electromyography showed at 1 month and 1 year after onset positive sharp waves and fibrillation potentials consistent with acute denervation, followed by a chronic neurogenic pattern at 5 years.

Reference ranges from García A, Calleja J, Antolín FM, Berciano J. Peripheral motor and sensory nerve conduction studies in normal infants and children. Clin Neurophysiol 2000; 111:513-520.

Supplementary methods:

The ganglioside antibodies tested were anti-GM1, anti-GD1a, anti-GD1b, anti-GM2, anti-GT1a, anti-GT1b, anti- GQ1b, anti-M3 and anti-GD3.