**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.