Peripheral Nerve Hypertrophy in Chronic Inflammatory Demyelinating Polyradiculoneuropathy Detected by Ultrasonography

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We present hypertrophy of the peripheral nerve in a patient with chronic inflammatory demyelinating polyradiculoneuropathy (CIDP) that was detected by ultrasonography. A 40-year-old man began experiencing muscle weakness in his limbs. One year later he was admitted to our hospital due to progressive muscle weakness in his arms and legs. Electrophysiological examination showed a reduction of motor conduction velocity and a partial motor conduction...
block. The patient was diagnosed with CIDP (1). His left median nerve showed bead-like hypertrophy on an ultrasoundogram (Picture A), which was consistent with partial motor conduction block (Picture B). The patient’s muscle strength recovered after treatment with prednisolone, but improvement of his peripheral nerve hypertrophy was limited.

The evaluation of peripheral nerve hypertrophy by ultrasonography in CIDP has been reported (2). Ultrasonography is useful for detecting and diagnosing segmental lesions of the peripheral nerves in CIDP, although it may not be suitable for evaluation of the clinical course.

References


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