Marked enlargement of neck circumference from nerve hypertrophy in CIDP

Painless enlargement of the neck is most often due to adiposity, goiter, or lymphadenopathy. The figure, A, demonstrates how diffuse hypertrophy of cervical spinal nerves and trunks can also produce a clinically obvious increase in neck circumference.

The patient is a 35-year-old woman with teenage-onset chronic inflammatory demyelinating polyradiculoneuropathy (CIDP), confirmed by nerve conduction studies, raised CSF protein, MRI (figure, B), and response to treatment.

Nerve hypertrophy in CIDP is often prominent in proximal elements of the peripheral nervous system. It is typically revealed by MRI but not obvious clinically. In contrast, palpable enlargement of distal cutaneous branches is more common in hypertrophic forms of Charcot-Marie-Tooth disease.

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