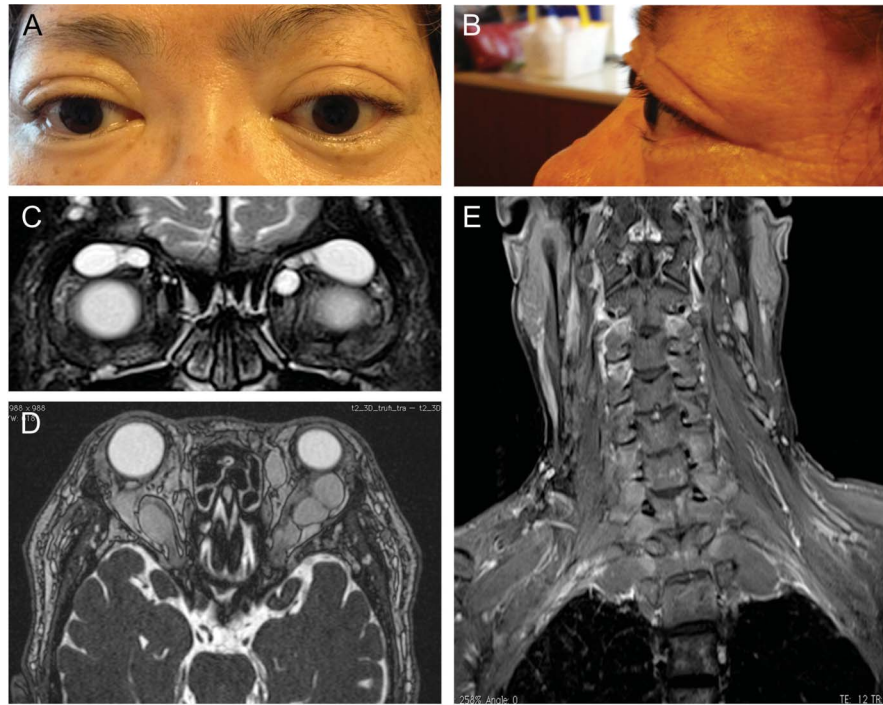


Ophthalmic nerve hypertrophy in chronic inflammatory demyelinating polyradiculoneuropathy

Figure Bilateral ophthalmic nerve hypertrophy and exophthalmos due to chronic inflammatory demyelinating polyradiculoneuropathy



Our patient exhibited bilateral exophthalmos (A, B). Cranial T2-weighted MRI (C) and 3D magnetic resonance cisternography (D) depict abnormal swelling of bilateral supraorbital and supratrochlear nerves, which are branches of ophthalmic nerves in the orbit. Cervical T2-weighted MRI depicts hypertrophic nerve roots (E).

A 59-year-old woman with a long-standing diagnosis of chronic inflammatory demyelinating polyradiculoneuropathy (CIDP) developed facial numbness and exophthalmos. Sural nerve biopsy revealed onion bulb formation consistent with CIDP. Neurologic examinations revealed distal dominant muscle atrophy with areflexia and impairment of all sensory modalities; cranial nerve involvement, including bilateral exophthalmos, left-side facial palsy, and left-side periorbital hypoesthesia; and swelling of the sural and subclavian nerves. MRI demonstrated marked thickening of bilateral ophthalmic nerves (figure). Such a finding has been reported rarely in the literature.¹ Neurologists should be aware that patients with CIDP might show exophthalmos due to ophthalmic nerve hypertrophy.

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Author contributions: Ayami Okuzumi: drafted the manuscript, acquired the data, accepts responsibility for conduct of research, and final approval. Taku Hatano: drafted and revised the manuscript, planned the study concept and design, acquired the data, analyzed and interpreted the data, accepts responsibility for conduct of research, and final approval. Toshiki Nakahara: participated in the data collection. Kazumasa Yokoyama: participated in the data collection and revised the content of the manuscript. Nobutaka Hattori: revised the content of the manuscript.

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