Ophthalmic nerve hypertrophy in chronic inflammatory demyelinating polyradiculoneuropathy

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 peri orbital 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. Neurologists should be aware that patients with CIDP might show exophthalmos due to ophthalmic nerve hypertrophy.

Ayami Okuzumi, MD, Taku Hatano, MD, PhD, Toshiki Nakahara, MD, PhD, Kazumasa Yokoyama, MD, Nobutaka Hattori, MD, PhD

From the Department of Neurology, Juntendo University School of Medicine, Tokyo, Japan.

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.

Study funding: Supported by Strategic Research Foundation Grant-in-Aid Project for Private Universities, Grants-in-Aid for Scientific Research (KAKENHI) (to T.H., 25461290), from the Japanese Ministry of Education, Culture, Sports, Science and Technology.

Correspondence to Dr. Hatano: thatano@juntendo.ac.jp

Ophthalmic nerve hypertrophy in chronic inflammatory demyelinating polyradiculoneuropathy
Ayami Okuzumi, Taku Hatano, Toshiki Nakahara, et al.
Neurology 2014;82:1566-1567
DOI 10.1212/WNL.0000000000000362

This information is current as of April 28, 2014