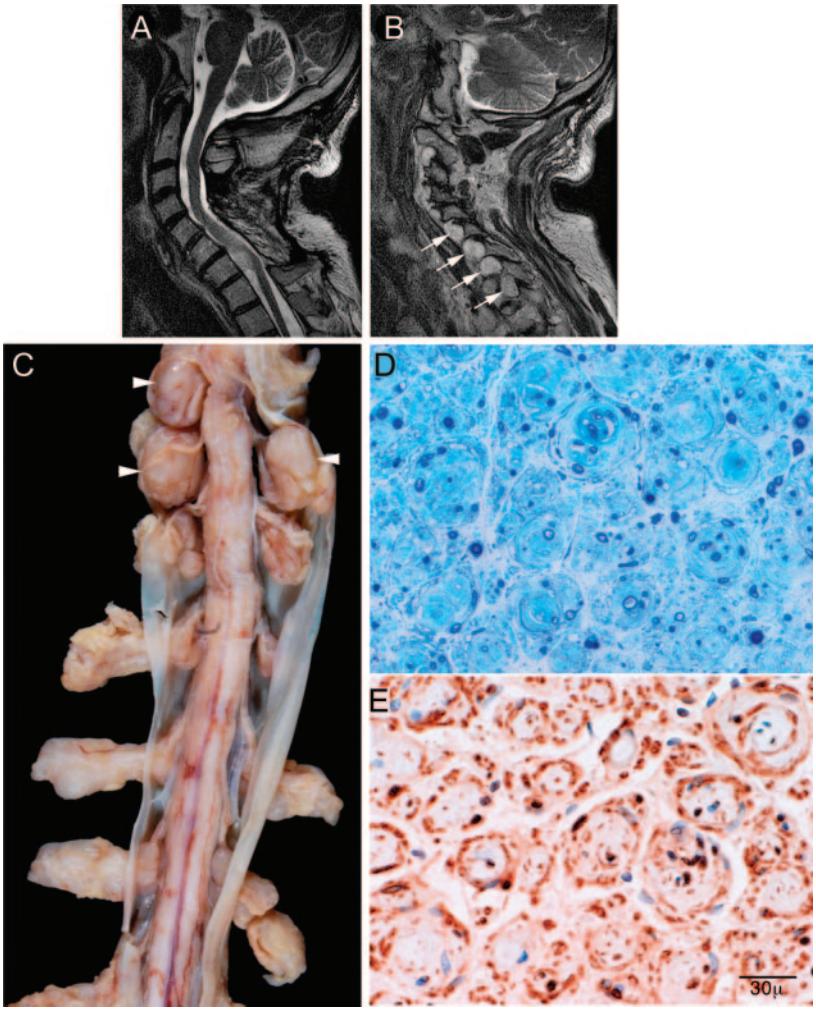
Hypertrophic nerves producing myelopathy in fulminant CIDP

Figure **Hypertrophic nerves in chronic inflammatory demyelinating polyradiculoneuropathy**



(A) Sagittal and (B) parasagittal T2-weighted MRI of the cervical spine demonstrating hypertrophic nerve roots (arrows). (C) Cervical spine at autopsy showing compression from intradural hypertrophic nerve roots (arrowheads). Cervical nerve root histopathology with onion bulb formation on (D) methylene blue semithin epoxy sections and (E) Schwann cell (S-100) immunostaining.

A 59-year-old man died following a 20-year history of fulminant chronic inflammatory demyelinating polyradiculoneuropathy (CIDP). His symptoms began with gait unsteadiness and ascending severe weakness and paresthesias, followed by papilledema and compressive cervical myelopathy from hypertrophic nerve roots (figure). Initial aggressive immunotherapy resulted in a return to ambulation and employment (previously reported as case 1).[1] Years later, he became quadriplegic due to a combination of immunotherapy-resistant CIDP (including cyclophosphamide) and consequent worsening cervical myelopathy. Varied extent and type of immune mechanisms in CIDP are inferred by such treatment-refractory patients.[2]

Nathan P. Staff, MD, PhD, Juan J. Figueroa, MD, Joseph E. Parisi, MD, Christopher J. Klein, MD, Rochester, MN

Disclosure: Dr. Staff and Dr. Figueroa report no disclosures. Dr. Parisi serves on scientific advisory boards for the US Government Defense Health Board and the Subcommittee for Laboratory Services and Pathology; serves as a Section Editor for *Neurology*®; receives royalties from the publication of *Principles & Practice of Neuropathology, 2nd ed.* (Oxford University Press, 2003); and receives research support from the NIH (NS32352-13 [coinvestigator]). Dr. Klein reports no disclosures.

Address correspondence and reprint requests to Dr. Christopher Klein, Department of Neurology, Mayo Clinic, 200 1st Street SW, Rochester, MN 55905; klein.christopher@mayo.edu

1. Midroni G, Dyck PJ. Chronic inflammatory demyelinating polyradiculoneuropathy: unusual clinical features and therapeutic responses. Neurology 1996;46:1206–1212.
2. Pytel P, Rezania K, Soliven B, Frank J, Wollmann R. Chronic inflammatory demyelinating polyradiculoneuropathy (CIDP) with hypertrophic spinal radiculopathy mimicking neurofibromatosis. Acta Neuropathol 2003; 105:185–188.

Copyright © 2010 by AAN Enterprises, Inc.
Copyright © by AAN Enterprises, Inc. Unauthorized reproduction of this article is prohibited.

Neurology®

Hypertrophic nerves producing myelopathy in fulminant CIDP

Nathan P. Staff, Juan J. Figueroa, Joseph E. Parisi, et al.

Neurology 2010;75;750
DOI 10.1212/WNL.0b013e3181eee4ed

This information is current as of August 23, 2010

Updated Information & Services	including high resolution figures, can be found at: http://n.neurology.org/content/75/8/750.full
References	This article cites 2 articles, 1 of which you can access for free at: http://n.neurology.org/content/75/8/750.full#ref-list-1
Subspecialty Collections	This article, along with others on similar topics, appears in the following collection(s): **All Neuromuscular Disease** http://n.neurology.org/cgi/collection/all_neuromuscular_disease **All Spinal Cord** http://n.neurology.org/cgi/collection/all_spinal_cord **Chronic inflammatory demyelinating polyneuropathy** http://n.neurology.org/cgi/collection/chronic_inflammatory_demyelinating_polyneuropathy **Peripheral neuropathy** http://n.neurology.org/cgi/collection/peripheral_neuropathy
Permissions & Licensing	Information about reproducing this article in parts (figures,tables) or in its entirety can be found online at: http://www.neurology.org/about/about_the_journal#permissions
Reprints	Information about ordering reprints can be found online: http://n.neurology.org/subscribers/advertise

Neurology ® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright . All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.

AMERICAN ACADEMY OF NEUROLOGY®