A 75-year-old man previously diagnosed with multiple sclerosis presented with a 20-year history of therapy-resistant progressive upper and lower limb weakness and sensory deficits. Examination found hand interossei muscle wasting, thickened radius and ulna nerves, and reduced distal lower limb strength. Neurophysiology revealed a sensorimotor polyneuropathy with demyelinating features. MRI showed hypertrophic nerves and nerve roots in the lumbosacral plexus (figure). Charcot-Marie Tooth disease (CMT) and chronic inflammatory demyelinating polyneuropathy (CIDP) are the leading causes of hypertrophic polyneuropathy. Other causes include leprosy, neurofibromatosis and amyloid deposition. In this case, genetic screening was negative for CMT, suggesting probable CIDP.

Study funding
No targeted funding reported.

Disclosure
The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.
## Appendix Authors

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luke Dixon, MBBS, FRCR</td>
<td>Queen Square, London, UK</td>
<td>Interpreted the data, drafted the manuscript for intellectual content</td>
</tr>
<tr>
<td>Sachit Shah, MBBS, FRCR</td>
<td>Queen Square, London, UK</td>
<td>Interpreted the data, revised the manuscript for intellectual content</td>
</tr>
</tbody>
</table>
Teaching NeuroImages: Hypertrophic polyneuropathy
Luke Dixon and Sachit Shah

Neurology 2020;95;e779-e780 Published Online before print July 8, 2020
DOI 10.1212/WNL.0000000000010025

This information is current as of July 8, 2020

Updated Information & Services
including high resolution figures, can be found at:
http://n.neurology.org/content/95/6/e779.full

Subspecialty Collections
This article, along with others on similar topics, appears in the following collection(s):
Clinical neurology examination
http://n.neurology.org/cgi/collection/clinical_neurology_examination
EMG
http://n.neurology.org/cgi/collection/emg
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