Teaching Video NeuroImages: Optic Ataxia as the Presenting Sign of the Heidenhain Variant of Creutzfeldt-Jakob Disease

Shi-Lin Yang, MD, Xiang Han, MD,* and Qiang Dong, MD*

Neurology® 2021;97:e326-e328. doi:10.1212/WNL.0000000000012057

Correspondence
Dr. Han
hansletter@fudan.edu.cn
Dr. Dong
dong_qiang@fudan.edu.cn

A 59-year-old woman presented with subacute onset of hand clumsiness followed by memory loss. She reported difficulty reaching for objects, although she could see them. Examination (video) showed optic ataxia, visual acuity of 20/30 OU, intact visual field, and near-normal finger-to-nose test. Hyperintense signals in the left temporo-parieto-occipital cortex in diffusion-weighted MRI, periodic triphasic complexes in EEG (figure), and elevated t-tau in CSF suggested the Heidenhain variant of Creutzfeldt-Jakob disease. The patient received supportive care and progressed to akinetic mutism. Optic ataxia—inaccuracy of visually guided arm movements—is a visuomotor disorder associated with lesions involving the posterior parietal cortex.

Acknowledgment
The authors thank Dr. Hong-Mei Liu for shooting the video.

Study Funding
No targeted funding reported.

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

*These authors contributed equally to this work.

From the Department of Neurology, Huashan Hospital, Fudan University, Shanghai, China.

Go to Neurology.org/N for full disclosures.
Figure  Diffusion-Weighted MRI and EEG

(A) Diffusion-weighted MRI shows hyperintense signals (arrows) in the left temporo-parieto-occipital cortex. (B) EEG shows periodic triphasic complexes at 1/s.
### References


---

### Appendix Authors

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shi-Lin Yang, MD</td>
<td>Department of Neurology, Huashan Hospital, Fudan University, Shanghai, China</td>
<td>Collection and interpretation of data, manuscript drafting</td>
</tr>
<tr>
<td>Xiang Han, MD</td>
<td>Department of Neurology, Huashan Hospital, Fudan University, Shanghai, China</td>
<td>Supervision, critical revision of manuscript</td>
</tr>
<tr>
<td>Qiang Dong, MD</td>
<td>Department of Neurology, Huashan Hospital, Fudan University, Shanghai, China</td>
<td>Supervision, critical revision of manuscript</td>
</tr>
</tbody>
</table>
Teaching Video NeuroImages: Optic Ataxia as the Presenting Sign of the Heidenhain Variant of Creutzfeldt-Jakob Disease
Shi-Lin Yang, Xiang Han and Qiang Dong

Neurology 2021;97:e326-e328 Published Online before print April 26, 2021
DOI 10.1212/WNL.0000000000012057

This information is current as of April 26, 2021

Updated Information & Services
including high resolution figures, can be found at:
http://n.neurology.org/content/97/3/e326.full

References
This article cites 2 articles, 0 of which you can access for free at:
http://n.neurology.org/content/97/3/e326.full#ref-list-1

Subspecialty Collections
This article, along with others on similar topics, appears in the following collection(s):
All Neuro-ophthalmology
http://n.neurology.org/cgi/collection/all_neuroophthalmology
Clinical neurology examination
http://n.neurology.org/cgi/collection/clinical_neurology_examination
Prion disease; see Infections/prion
http://n.neurology.org/cgi/collection/prion_disease

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 © 2021 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.