A 60-year-old patient had progressive imbalance. Examination revealed saccadic smooth pursuit, downbeat nystagmus, ataxia of stance and gait, and reduced vibration sense. Video head impulse and caloric testing both showed vestibulo-ocular reflex (VOR) deficits (figure). The patient has cerebellar ataxia with neuropathy and vestibular areflexia syndrome.\(^1,2\) Slow head turns while looking at an earth-fixed target produce saccadic rather than smooth compensatory eye movements (Videos 1) due to impairment of both the VOR and smooth pursuit (the visually enhanced VOR): 1 simple bedside test, 2 clinical signs, and 1 precise diagnosis.

**Study Funding**
No targeted funding reported.

**Disclosure**
M. Strupp is Joint Chief Editor of the *Journal of Neurology*, Editor in Chief of *Frontiers of Neurotology*, and Section Editor of *F1000*; has received speaker’s honoraria from Abbott, Actelion, 

---

Correspondence
Dr. Strupp
Michael.Strupp@med.uni-muenchen.de

Figure Caloric Irrigation and Video Head Impulse Test

(A) Caloric irrigation and (B) video head impulse test show a severe vestibulo-ocular reflex deficit.
Auris Medical, Biogen, Eisai, Grünenthal, GSK, Henning Pharma, Interacoustics, Merck, MSD, Otometrics, Pierre-Fabre, TEVA, UCB, and Viatris; is a shareholder of IntraBio; acts as a consultant for Abbott, Actelion, Auris Medical, Heel, IntraBio, and Sensorion; and is the distributor of M-glasses, and the positional vertigo App. C. Frenzel, N. Goldschagg, and G.M. Halmagyi do not have any disclosures. 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>Michael Strupp, MD</td>
<td>Department of Neurology and German Center for Vertigo and Balance Disorders (DSGZ), Ludwig-Maximilians University, Munich, Campus Grosshadern, Munich, Germany</td>
<td>Observation, conception, recruitment and examination of the patient, interpretation of the data, drafting the manuscript</td>
</tr>
<tr>
<td>Claudia Frenzel</td>
<td>Department of Neurology Ludwig-Maximilians University, Munich, Campus Grosshadern, Munich, Germany</td>
<td>Neuro-opthalmological examination of the patient, interpretation of the data, drafting the manuscript</td>
</tr>
<tr>
<td>G. Michael Halmagyi, MD</td>
<td>Department of Neurology, Royal Prince Alfred Hospital, University of Sydney, Sydney, Australia</td>
<td>Interpretation of the data, drafting the manuscript</td>
</tr>
</tbody>
</table>

**References**


Teaching Video NeuroImage: One Bedside Test, 2 Clinical Signs: One Vestibular, the Other Ocular Motor
Michael Strupp, Claudia Frenzel, Nicolina Goldschagg, et al.
Neurology 2021;97:e541-e542 Published Online before print April 23, 2021
DOI 10.1212/WNL.0000000000012080

This information is current as of April 23, 2021

Updated Information & Services
including high resolution figures, can be found at:
http://n.neurology.org/content/97/5/e541.full

References
This article cites 2 articles, 2 of which you can access for free at:
http://n.neurology.org/content/97/5/e541.full#ref-list-1

Subspecialty Collections
This article, along with others on similar topics, appears in the following collection(s):
All Neurology
http://n.neurology.org/cgi/collection/all_neurology
Gait disorders/ataxia
http://n.neurology.org/cgi/collection/gait_disorders_ataxia
Vertigo
http://n.neurology.org/cgi/collection/vertigo

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.