

Section Editor Mitchell S.V. Elkind, MD, MS

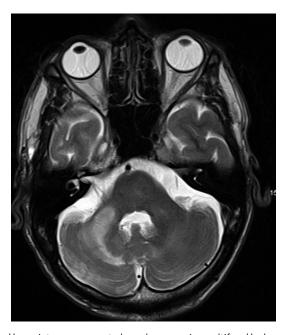
Juri Katchanov, MD Gordian Branding, MD

Correspondence to Dr. Katchanov: juri.katchanov@charite.de

Teaching Video Neuro *Images*: Holmes tremor in progressive multifocal leukoencephalopathy isolated to the posterior fossa

Figure

Progressive multifocal leukoencephalopathy lesion restricted to the posterior fossa



T2-weighted MRI shows typical hyperintense crescent-shaped progressive multifocal leukoencephalopathy lesion involving the right middle cerebellar peduncle and white matter of the right cerebellar hemisphere.

A 47-year-old right-handed man with longstanding HIV infection (CD4 count $105/\mu L$; normal range $700-1,200/\mu L$) presented with a 3-week history of clumsiness and shaking of his right hand. Clinical examination revealed a slow, irregular distal tremor of the right upper limb present at rest and posture (video). Brain imaging revealed a demyelinating lesion affecting the right middle cerebellar peduncle and adjacent cerebellar white matter (figure). The CSF PCR for JC virus was strongly positive, establishing the diagnosis of progressive multifocal leukoencephalopathy (PML). Holmes tremor is a rare manifestation of PML.

AUTHOR CONTRIBUTIONS

Juri Katchanov: drafting/revising the manuscript, study concept or design, analysis or interpretation of data, accepts responsibility for conduct of research and final approval, acquisition of data. Gordian Branding: drafting/revising the manuscript, analysis or interpretation of data, accepts responsibility for conduct of research and final approval, acquisition of data.

STUDY FUNDING

No targeted funding reported.

DISCLOSURE

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

REFERENCES

- Berger JR, Aksamit AJ, Clifford DB, et al. PML diagnostic criteria: consensus statement from the AAN Neuroinfectious Disease Section. Neurology 2013;80:1430–1438.
- Sporer B, Seelos K, Asmus F, Boetzel K, Pfister HW. Posterior fossa tremor induced by HIV-associated progressive multifocal leukoencephalopathy. Eur Neurol 2005; 53:96–97.

Download teaching slides: www.neurology.org

Supplemental data at www.neurology.org

From the Departments of Infectious Diseases and Gastroenterology (J.K.) and Radiology (G.B.), Auguste-Viktoria-Klinikum, Berlin, Germany.



Teaching Video Neuro *Images*: Holmes tremor in progressive multifocal leukoencephalopathy isolated to the posterior fossa

Juri Katchanov and Gordian Branding Neurology 2014;82;e8 DOI 10.1212/01.wnl.0000438231.40847.18

This information is current as of December 30, 2013

Updated Information & including high resolution figures, can be found at:

Services http://n.neurology.org/content/82/1/e8.full

Supplementary Material Supplementary material can be found at:

http://n.neurology.org/content/suppl/2013/12/29/82.1.e8.DC1 http://n.neurology.org/content/suppl/2013/12/29/82.1.e8.DC2

References This article cites 2 articles, 1 of which you can access for free at:

http://n.neurology.org/content/82/1/e8.full#ref-list-1

Subspecialty Collections This article, along with others on similar topics, appears in the

following collection(s):

HIV

http://n.neurology.org/cgi/collection/hiv

Tremor

http://n.neurology.org/cgi/collection/tremor

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 © 2013 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.

