Teaching Video NeuroImages: Holmes tremor in progressive multifocal leukoencephalopathy isolated to the posterior fossa

Juri Katchanov, MD
Gordian Branding, MD

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

Download teaching slides: www.neurology.org
Supplemental data at www.neurology.org

A 47-year-old right-handed man with longstanding HIV infection (CD4 count 105/µL; normal range 700–1,200/µL) 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

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.
Teaching Video NeuroImages: 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 & Services
including high resolution figures, can be found at:
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