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

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.

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REFERENCES

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