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Teaching Video *NeuroImages*: A teenager with a rare movement disorder

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Supplemental data at
www.neurology.org

A 17-year-old patient with no medical or psychiatric illness presented with a 4-year history of painless twitching of the toes of his right foot (video on the *Neurology*® Web site at www.neurology.org). The movements subsided in deep sleep. Neurologic examination, EEG, and MRI brain/lumbosacral spine were normal. Electrophysiology showed axonal neuropathy of the right deep peroneal nerve.

“Painless legs moving toes,” like the phenomenologically similar “painful legs moving toes,” is hypothesized to be a centrally generated movement disorder.¹ Peripheral neuropathy may modulate afferent input to the spinal cord, which secondarily causes changes in the brainstem and subcortical centers, resulting in abnormal motor patterns.²

AUTHOR CONTRIBUTIONS

Rajkumar Agarwal contributed to drafting and revising the manuscript. Lalitha Sivaswamy contributed to drafting and revising the manuscript.

STUDY FUNDING

No targeted funding reported.

DISCLOSURE

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

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Neurology 2013;81:e4

DOI 10.1212/WNL.0b013e318297ee94

This information is current as of July 1, 2013

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