

# Teaching Video NeuroImages: Sustained clonus of the upper extremity

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An 80-year-old man with a history of renal transplant, on tacrolimus and prednisone, presented with confusion and fever (38.3°C). Brain MRI demonstrated leptomeningeal enhancement, and lumbar puncture revealed a mixed pleocytosis with 533 white blood cells/ $\mu\text{L}$  (45% lymphocytes) and 950 red blood cells/ $\mu\text{L}$ . Varicella zoster was identified in the CSF by PCR. He exhibited diffuse hyperreflexia and clonus at the bilateral finger and wrist flexors within 72 hours of admission (video, [links.lww.com/WNL/A323](https://links.lww.com/WNL/A323)). Spasticity and clonus are pathologic upper motor neuron signs that can be observed early in the course of meningoencephalitis<sup>1</sup> and other acute neurologic disorders.<sup>2</sup>

## MORE ONLINE

### Video

[links.lww.com/WNL/A323](https://links.lww.com/WNL/A323)

### Teaching slides

[links.lww.com/WNL/A324](https://links.lww.com/WNL/A324)

## Author contributions

James E. Siegler: preparation of manuscript, study supervision. Xin Zhou: acquisition of data, critical revision of manuscript for important intellectual content.

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## Disclosure

The authors report no disclosures relevant to the manuscript. Go to [Neurology.org/N](https://Neurology.org/N) for full disclosures.

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