

# Teaching Video NeuroImages: Electromyographic variation in stiff-person syndrome

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A 58-year-old man diagnosed with stiff-person syndrome<sup>1</sup> presented with increased axial muscle tone (video 1, [links.lww.com/WNL/A42](https://links.lww.com/WNL/A42)). A successional electromyographic video in the right rectus abdominis demonstrated a large quantity of continuous motor unit potentials at rest. One minute after administration of diazepam, motor unit potentials were extraordinarily attenuated. However, 10 minutes after diazepam administration, the motor unit potentials were gradually restored (video 2, [links.lww.com/WNL/A43](https://links.lww.com/WNL/A43)). This case gives us a better understanding of the clinical manifestation of stiff-person syndrome and shows more intuitive electrophysiologic hallmarks of this rare disease.

## Author contributions

Xiao-Zhong Jing: drafting/revising the manuscript, accepts responsibility for conduct of research and final approval. Dan Zhu: analysis or interpretation of data, accepts responsibility for conduct of research and final approval, acquisition of data, study supervision. Ya-Qian Zhang: analysis or interpretation of data, accepts responsibility for conduct of research and final approval, acquisition of data. Ming Dong: drafting/revising the manuscript, study concept or design, accepts responsibility for conduct of research and final approval, study supervision.

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## Disclosure

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

## Reference

1. Duddy ME, Baker MR. Stiff person syndrome. *Front Neurol Neurosci* 2009;26:147–165.

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### ▶ Videos

[links.lww.com/WNL/A42](https://links.lww.com/WNL/A42)

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### → Download teaching slides:

[links.lww.com/WNL/A123](https://links.lww.com/WNL/A123)

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Go to [Neurology.org/N](http://Neurology.org/N) for full disclosures.

Coinvestigators are listed at <http://links.lww.com/WNL/A122>.

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