

Teaching Video NeuroImages: Spinal and bulbar muscular atrophy mimicking essential tremor



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A 43-year-old man presented with 5 years of an alcohol-sensitive postural tremor, diagnosed as essential tremor. Family history was positive for tremor on his paternal side and for muscular weakness in his maternal grandfather. Examination revealed gynecomastia, a medium to high frequency weight bearing sensitive postural tremor, a proximal atrophic tetraparesis (video on the *Neurology*[®] Web site at www.neurology.org), fasciculations, and tongue weakness. Molecular testing confirmed the diagnosis of spinal bulbar muscular atrophy (38 CAG repeats). Postural tremor associated with gynecomastia should raise concern for spinal bulbar muscular atrophy.^{1,2}

AUTHOR CONTRIBUTIONS

Dr. Kerasnoudis acquired, analyzed, and drafted the content of this video/case report including medical writing. Dr. Ellrichmann contributed to the acquisition of the video of this video/case report. Dr. Gold revised the manuscript for content and did the supervision of this video/case report. Dr. Saft contributed to the acquisition of the video and analyzed and revised the content of this video/case report.

REFERENCES

1. Atsuta N, Watanabe H, Ito M, et al. Natural history of spinal and bulbar muscular atrophy (SBMA): a study of 223 Japanese patients. *Brain* 2006;129:1446–1455.
2. Hanajima R, Terao Y, Nakatani-Enomoto S, et al. Postural tremor in X-linked spinal and bulbar muscular atrophy. *Mov Disord* 2009;24:2063–2069.

Supplemental data at
www.neurology.org

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