Neurology Publish Ahead of Print
DOI: 10.1212/WNL.0000000000200147

Teaching Video NeuroImage: Tongue Tremor as a Presenting Feature of Progressive Supranuclear Palsy

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Neurology® Published Ahead of Print articles have been peer reviewed and accepted for publication. This manuscript will be published in its final form after copyediting, page composition, and review of proofs. Errors that could affect the content may be corrected during these processes.

Contributions:

Mamoun Saeed: Drafting/revision of the manuscript for content, including medical writing for content

Gregory Scott: Drafting/revision of the manuscript for content, including medical writing for content;

Additional contributions: Edited the video

Stephen Murphy: Drafting/revision of the manuscript for content, including medical writing for content

Number of characters in title: 98

Abstract Word count: 0

Word count of main text: 100

References: 2

Figures: 0

Tables: 0

Search Terms: [14] All Clinical Neurology, [46] All Education, [118] All Imaging, [166]

Progressive supranuclear palsy, [168] Tremor

Acknowledgements: We thank the patient for consenting to be featured in this report.

Study Funding: The authors report no targeted funding

Disclosures: All authors report no disclosures.

A 76-year-old man was referred to neurology by speech and language therapy after video fluoroscopy showed oropharyngeal dysphagia, aspiration, and tongue tremor (Video 1). He had presented with six months of progressive dysphagia, dysarthria, weight loss, and falls. Examination revealed akinetic rigidity, vertical supranuclear gaze palsy, slowed saccades, dysarthrophonia, and tongue tremor without palatal, jaw or limb tremor. We diagnosed probable progressive supranuclear palsy (PSP). He did not respond to levodopa (400mg/day). On follow-up assessment 27 months later, the tremor persisted (Video 1). Tremor, usually upper limb, occurs in 42% of PSP cases¹. Isolated tongue tremor is a rare feature of PSP^{1,2}.

Video Caption.

Tongue tremor as a presenting feature of progressive supranuclear palsy (PSP). A sagittal video fluoroscopy (June 2019) demonstrating a tongue tremor alongside moderate-to-severe oral and pharyngeal dysphagia and silent aspiration. On review in October 2021 following a fall, the continuous tongue tremor was still evident, without palatal or jaw tremor.

WNL-2022-200400_slides --<http://links.lww.com/WNL/B810>

WNL-2022-200400_vid1 -- <http://links.lww.com/WNL/B811>

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Neurology published online February 10, 2022

DOI 10.1212/WNL.0000000000200147

This information is current as of February 10, 2022

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