

Teaching Video *NeuroImages*: Purposeless groaning in progressive supranuclear palsy



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A patient had recurrent falls and vertical gaze limitation at age 61. Purposeless groaning began 4 years later, when he was still ambulant and conversing appropriately, and increased over time (video at Neurology.org). Groaning has been reported previously in advanced progressive supranuclear palsy, when patients have lost ambulation.¹ The behavior is thought to reflect frontal-subcortical dysfunction resulting in disinhibition and perseveration.^{1,2} Studies of frontal-subcortical dementias suggest that the frontal signs result from a disruption of the extensive connections between the frontal cortex and the basal ganglia and other subcortical structures.² Proper recognition of this entity is important to avoid unnecessary investigations and treatments.¹

AUTHOR CONTRIBUTIONS

Dr. Low: drafting and revision of manuscript and editing of videos. Dr. Tan: drafting and revision of manuscript. Dr. Lim: drafting and revision of manuscript and recording of videos.

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**Supplemental data
at Neurology.org**

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