Teaching Video NeuroImages: Hereditary chin trembling

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A 22-year-old man presented with involuntary vertical chin tremor of low amplitude and high frequency (videos 1 and 2) lasting up to several hours every day for the last 6 months. It was previously noticed in infancy during periods of emotional distress. His brother, father, and paternal aunt had similar episodic chin movements.

Hereditary chin trembling, or geniospasm, is a very rare autosomal dominant movement disorder with genetic heterogeneity.¹ Symptoms appear at birth or childhood, are most prominent in early adulthood, and typically improve with increasing age. Pathophysiology underlining highly selective chin involvement remains undetermined. Chin injections of botulinum toxin are the most effective treatment.²

Author contributions

Ahmed Abbas: acquisition of data, patient review, drafting and revising the manuscript.

Noushad Shereef Mytheen: acquisition of data, patient review, revising the manuscript.

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Disclosure

The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.

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