

Teaching Video NeurolImages: Vagoglossopharyngeal neuralgia mimicking a seizure.

AUTHOR(S)

Albi Chalissery, Albi J. Chalissery, Maria Gaughan, Geoffrey Haughton, Gerard Mullins, Norman Delanty

CITATION

Chalissery, Albi; Chalissery, Albi J.; Gaughan, Maria; Haughton, Geoffrey; Mullins, Gerard; Delanty, Norman (2018): Teaching Video NeurolImages: Vagoglossopharyngeal neuralgia mimicking a seizure.. Royal College of Surgeons in Ireland. Journal contribution. <https://hdl.handle.net/10779/rcsi.10782107.v2>

HANDLE

[10779/rcsi.10782107.v2](https://hdl.handle.net/10779/rcsi.10782107.v2)

LICENCE

CC BY-NC-SA 4.0

This work is made available under the above open licence by RCSI and has been printed from <https://repository.rcsi.com>. For more information please contact repository@rcsi.com

URL

https://repository.rcsi.com/articles/journal_contribution/Teaching_Video_NeurolImages_Vagoglossopharyngeal_neuralgia_mimicking_a_seizure_/10782107/2

Teaching Video NeurolImages: Vagoglossopharyngeal neuralgia mimicking a seizure

Albi J. Chalissery, MRCPI, Maria Gaughan, MRCPI, Geoffrey Haughton, Gerard Mullins, MRCPI, and Norman Delanty, FRCPI

Neurology® 2018;90:e1179. doi:10.1212/WNL.0000000000005211

Correspondence

A.J. Chalissery
albi.chalissery@hse.ie

A 79-year-old woman with a history of partial thyroidectomy for multinodular goiter presented with acute onset episodic left ear pain followed by collapse with loss of awareness and limb jerking. Video EEG captured stereotyped episodes (video, links.lww.com/WNL/A287) with corresponding bradycardia and asystole for several seconds without ictal changes. A diagnosis of vagoglossopharyngeal neuralgia was made. She became symptom-free with eslicarbazepine and pacemaker insertion.

Approximately 10% of patients with glossopharyngeal neuralgia experience bradycardia and syncope.¹ Activation of the vagus nerve (dorsal motor nucleus) by excessive input from the glossopharyngeal nerve (via tractus solitarius) may lead to potential cardiac arrhythmias.²

Author contributions

All authors had access to and contributed to the manuscript. Albi Chalissery and Maria Gaughan: manuscript writing/revision. Geoffrey Haughton: video editing. Gerard Mullins and Norman Delanty: manuscript revision.

Study funding

No targeted funding reported.

Disclosure

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

References

1. Blumenfeld A, Nikolskaya G. Glossopharyngeal neuralgia. *Curr Pain Headache Rep* 2013;17:343.
2. Varrasi C, Strigaro G, Prandi P, et al. Complex pattern of convulsive syncope in glossopharyngeal neuralgia: video/EEG report and short review. *Epilepsy Behav* 2011;20:407–409.

MORE ONLINE

→ Video

links.lww.com/WNL/A287

→ Download Teaching slides:

links.lww.com/WNL/A288

From the Departments of Neurology (A.J.C., M.G., N.D.) and Neurophysiology (G.H., G.M.), Beaumont Hospital, Dublin, Ireland.

Go to Neurology.org/N for full disclosures.

Neurology®

Teaching Video NeuroImages: Vagolossopharyngeal neuralgia mimicking a seizure

Albi J. Chalissery, Maria Gaughan, Geoffrey Haughton, et al.

Neurology 2018;90:e1179

DOI 10.1212/WNL.0000000000005211

This information is current as of March 26, 2018

Updated Information & Services	including high resolution figures, can be found at: http://n.neurology.org/content/90/13/e1179.full
References	This article cites 2 articles, 0 of which you can access for free at: http://n.neurology.org/content/90/13/e1179.full#ref-list-1
Subspecialty Collections	This article, along with others on similar topics, appears in the following collection(s): All Epilepsy/Seizures http://n.neurology.org/cgi/collection/all_epilepsy_seizures All Headache http://n.neurology.org/cgi/collection/all_headache Video/ EEG use in epilepsy http://n.neurology.org/cgi/collection/video_eeg_use_in_epilepsy
Permissions & Licensing	Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at: http://www.neurology.org/about/about_the_journal#permissions
Reprints	Information about ordering reprints can be found online: http://n.neurology.org/subscribers/advertise

Neurology® is the official journal of the American Academy of Neurology. Published continuously since 1951, it is now a weekly with 48 issues per year. Copyright © 2018 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.

