Vascular-induced compensatory pseudo-retrocollis

Figure 1 Pseudo-retrocollis

Compensatory neck posture to visual loss.

A 75-year-old woman presented with a sudden onset of blurred vision and abnormal neck posture. Neurologic examination showed pseudo-retrocollis (RC) (figure 1), reduced by closing her eyes, and a right side visual field defect. CT scan showed a left temporo-occipital ischemic lesion and visual field campimetry revealed right superior homonymous quadrantanopia (sHQ) (figure 2, A and B).

Figure 2 Diagnostic workup

(A) Brain CT: left temporo-occipital hypodensity involves the Meyer loop (arrow). (B) Visual field campimetry: loss of the right upper quadrant from each visual field.

RC is a cervical dystonia observed in both neurologic and non-neurologic diseases.¹ An acute compensatory neck posture, resembling RC, could be seen in patients with sHQ due to a disruption of Meyer loop² when they try to bring up the remaining inferior side vision to the horizon.

Alfonso Giordano, MD, PhD, Gioacchino Tedeschi, MD, PhD, Alessandro Tessitore, MD, PhD

From the Second University of Naples (A.G., G.T., A.T.) and the Institute for Diagnosis and Care “Hermitage Capodimonte” (A.G.), Naples, Italy.

Author contributions: Dr. Alfonso Giordano drafted the manuscript. Prof. Alessandro Tessitore and Prof. Gioacchino Tedeschi revised the manuscript.

Study funding: No targeted funding reported.

Disclosure: The authors report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

Correspondence to Dr. Tessitore: alessandro.tessitore@unina2.it

1. Albanese A, Bhatia K, Bressman SB, et al. Phenomenology and classification of dystonia: a consensus update. *Mov Disord* 2013; 28:863–873.
2. Powell HW, Parker GJ, Alexander DC, et al. MR tractography predicts visual field defects following temporal lobe resection. *Neurology* 2005;65:596–599.

Get Connected. Stay Connected.

Connect with the American Academy of Neurology’s popular social media channels to stay up-to-date on the latest news and breakthroughs in neurology, and network with peers and neurology thought leaders. Visit AAN.com/Connect.

Visit the *Neurology*[®] Web Site at Neurology.org

- Enhanced navigation format
- Increased search capability
- Highlighted articles
- Detailed podcast descriptions
- RSS Feeds of current issue and podcasts
- Personal folders for articles and searches
- Mobile device download link
- AAN Web page links
- Links to *Neurology Now*[®], *Neurology Today*[®], and *Continuum*[®]
- Resident & Fellow subsite

Find *Neurology*[®] on Facebook: <http://tinyurl.com/neurologyfan>

Follow *Neurology*[®] on Twitter: <https://twitter.com/GreenJournal>

Neurology®

Vascular-induced compensatory pseudo-retrocollis
Alfonso Giordano, Gioacchino Tedeschi and Alessandro Tessitore
Neurology 2015;84;2005-2006
DOI 10.1212/WNL.0000000000001568

This information is current as of May 11, 2015

Updated Information & Services	including high resolution figures, can be found at: http://n.neurology.org/content/84/19/2005.full
References	This article cites 2 articles, 1 of which you can access for free at: http://n.neurology.org/content/84/19/2005.full#ref-list-1
Subspecialty Collections	This article, along with others on similar topics, appears in the following collection(s): All Cerebrovascular disease/Stroke http://n.neurology.org/cgi/collection/all_cerebrovascular_disease_stroke Dystonia http://n.neurology.org/cgi/collection/dystonia Visual fields http://n.neurology.org/cgi/collection/visual_fields Visual loss http://n.neurology.org/cgi/collection/visual_loss
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 © 2015 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.