

# Monocular nystagmus in a patient with alternating hemiplegia of childhood

Javiera Tello, MD, Isadora Ruiz, MD, Luisa Herrera, PhD, Ana Miranda, MT, Paulina Alid, MD, and Mónica Troncoso, MD

*Neurology*® 2019;93:361. doi:10.1212/WNL.0000000000007977

## Correspondence

Dr. Tello  
javieratello@ug.uchile.cl

Monocular nystagmus is a rare condition that occurs in limited number of disorders, such as spasmodic nutans, multiple sclerosis, and alternating hemiplegia of childhood (AHC).<sup>1</sup> AHC is a neurodevelopmental disorder characterized by intermittent hemiplegic episodes with variable neurologic features.<sup>2</sup>

We present a 1-year-old infant with episodes of alternating hemiplegia and tetraplegia. He had onset at 7 months of life with monocular nystagmus (video). Neurologic examination was also notable for choreic and dystonic movements. Genetic sequencing confirmed mutation 2443G>A (p.Glu815Lys) in the *ATPIA3* gene. Treatment with flunarizine has led to improvement with decreasing frequency and duration of episodes.

## Author contributions

J. Tello: drafting and critical revision of manuscript. I. Ruiz: acquisition of data. L. Herrera: analysis and interpretation of data, critical revision of manuscript. A. Miranda: analysis and interpretation of data (molecular analysis). P. Alid: acquisition of data. M. Troncoso: critical revision of manuscript.

## Study funding

No targeted funding reported.

## Disclosure

The authors report no disclosures relevant to the manuscript. Go to [Neurology.org/N](http://Neurology.org/N) for full disclosures.

## Publication history

Received by *Neurology* January 28, 2019. Accepted in final form May 20, 2019.

## References

1. Kangsagra S, Mikati MA, Vigeveno F. Alternating hemiplegia of childhood. *Handb Clin Neurol* 2013;112:821–826.
2. Masoud M, Prange L, Wuchich J, Hunanyan A, Mikati MA. Diagnosis and treatment of alternating hemiplegia of childhood. *Curr Treat Options Neurol* 2017;19:8.

## MORE ONLINE

### ▶ Video

From Pediatric Neurology (J.T., I.R., M.T.), the Hospital Clínico San Borja Arriarán, Central Campus Universidad de Chile; Human Genetics Program (L.H., A.M.), ICBM, Facultad de Medicina, Universidad de Chile, Santiago; and Hospital Regional de Talca (P.A.), Universidad Católica del Maule, Pediatric Neurology, Talca, Chile.

Go to [Neurology.org/N](http://Neurology.org/N) for full disclosures.

# Neurology®

## Monocular nystagmus in a patient with alternating hemiplegia of childhood

Javiera Tello, Isadora Ruiz, Luisa Herrera, et al.

*Neurology* 2019;93;361

DOI 10.1212/WNL.0000000000007977

**This information is current as of August 19, 2019**

<b>Updated Information &amp; Services</b>	including high resolution figures, can be found at: <a href="http://n.neurology.org/content/93/8/361.full">http://n.neurology.org/content/93/8/361.full</a>
<b>References</b>	This article cites 2 articles, 0 of which you can access for free at: <a href="http://n.neurology.org/content/93/8/361.full#ref-list-1">http://n.neurology.org/content/93/8/361.full#ref-list-1</a>
<b>Subspecialty Collections</b>	This article, along with others on similar topics, appears in the following collection(s): <b>Developmental disorders</b> <a href="http://n.neurology.org/cgi/collection/developmental_disorders">http://n.neurology.org/cgi/collection/developmental_disorders</a> <b>Nystagmus</b> <a href="http://n.neurology.org/cgi/collection/nystagmus">http://n.neurology.org/cgi/collection/nystagmus</a>
<b>Permissions &amp; Licensing</b>	Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at: <a href="http://www.neurology.org/about/about_the_journal#permissions">http://www.neurology.org/about/about_the_journal#permissions</a>
<b>Reprints</b>	Information about ordering reprints can be found online: <a href="http://n.neurology.org/subscribers/advertise">http://n.neurology.org/subscribers/advertise</a>

*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 © 2019 American Academy of Neurology. All rights reserved. Print ISSN: 0028-3878. Online ISSN: 1526-632X.

