VIDEO NEUROIMAGES

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

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Correspondence
Dr. Tello
javieratello@ug.uchile.cl

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Video

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

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 *ATP1A3* 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.

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Disclosure

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References

1. Kangsagra S, Mikati MA, Vigevano 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.

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.

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