

Teaching Video NeuroImages: A Case of Lance Adams Syndrome With Seesaw Nystagmus

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Seesaw nystagmus (SSN) is a rare ocular manifestation characterized by cyclic movement of the eyes with a conjugate torsional component and a disjunctive vertical component. We present a 29-year-old woman with alcohol withdrawal seizure resulting in anoxic brain injury secondary to respiratory failure. On examination, she had multifocal myoclonus, dystonia, and SSN (video). The proposed mechanism is inactivation of the torsional eye-velocity integrator, the interstitial nucleus of Cajal, with sparing of the torsional fast-phase generator, the rostral interstitial nucleus of MLF. This is a unique case of Lance Adams syndrome^{1,2} combined with SSN.

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Disclosure

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

Appendix Authors

Name	Location	Contribution
Gabriela Keeton, MD	University of Kentucky	Drafting and revision of case writeup, organized different components for submission
Tarek Ali, MBBS	University of Kentucky	Revision for intellectual content
Padmaja Sudhakar, MD	University of Kentucky	Revision for intellectual content
Zain Guduru, MD	University of Kentucky	Drafting and revision of case writeup, video editing and formatting

References

1. Lance JW, Adams RD. The syndrome of intention or action myoclonus as a sequel to hypoxic encephalopathy. *Brain* 1963;86:111–136.
2. Werhahn KJ, Brown P, Thompson PD, Marsden CD. The clinical features and prognosis of chronic posthypoxic myoclonus. *Mov Disord* 1997;12:216–220.

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