

Teaching Video NeuroImage: Tadpole Pupil

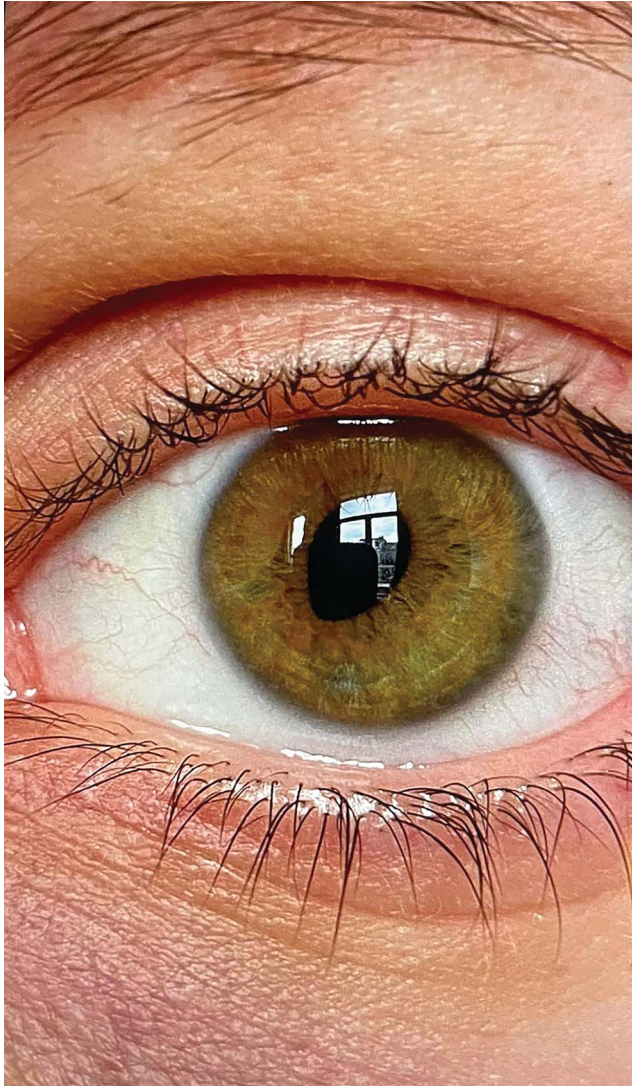
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Figure Left Eye of the Patient During an Episode of Tadpole Pupil



We can see an irregular, tear-shaped deformation of the pupil.

A 27-year-old healthy woman reported short episodes (15–30 seconds) of unilateral blurred vision in the left eye, during which an irregular shape of her left pupil was observed. She had no other symptoms. At presentation, pupils were equal in size and reactive to light, and there was no dilation lag, no eyelid ptosis, and eye motility was full. Diagnosis of tadpole pupil was made based on

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Video

photographs taken by the patient herself (Figure) (Video 1). Because of a close association with Horner syndrome, sympathetic denervation hypersensitivity has been considered as an underlying mechanism. However, pharmacologic testing was negative (both cocaine 10% and apraclonidine 0.5%).

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Name	Location	Contribution
Amel Thaninna Lamri, MD	Department of Ophthalmology, CHU Saint-Pierre, Brussels, Belgium	Drafting/revision of the manuscript for content, including medical writing for content; major role in the acquisition of data
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Tom Buelens, MD	Department of Ophthalmology, CHU Saint-Pierre, Brussels, Belgium	Drafting/revision of the manuscript for content, including medical writing for content; major role in the acquisition of data; analysis or interpretation of data

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