A 28-year-old man with new-onset binocular diplopia

By Edward Margolin and Seema Emami

Teaching Video NeuroImages

Neurology
Resident & Fellow Section
VIGNETTE

• A 28-year-old previously healthy man presented with 2 months’ history of binocular diplopia, nocturnal polyuria and polydipsia.

• Extraocular motility testing demonstrated bilateral jerky convergence movements on attempted upgaze with mild lid retraction (Video 1).
Video
Convergence retraction nystagmus due to compressive lesion of the dorsal midbrain

- An urgent MRI of the brain demonstrated a large mass in the dorsal midbrain region causing compression of the hypothalamus. Low-dose radiotherapy was commenced for biopsy-proven germinoma.

- In this case, recognition of convergence retraction nystagmus allowed rapid localization of the lesion, unifying diagnosis, and eventually, treatment.

Margolin et al.