

58-YEAR-OLD MAN WITH ATAXIA AND OSCILLOPSIA

Teaching NeuroImages

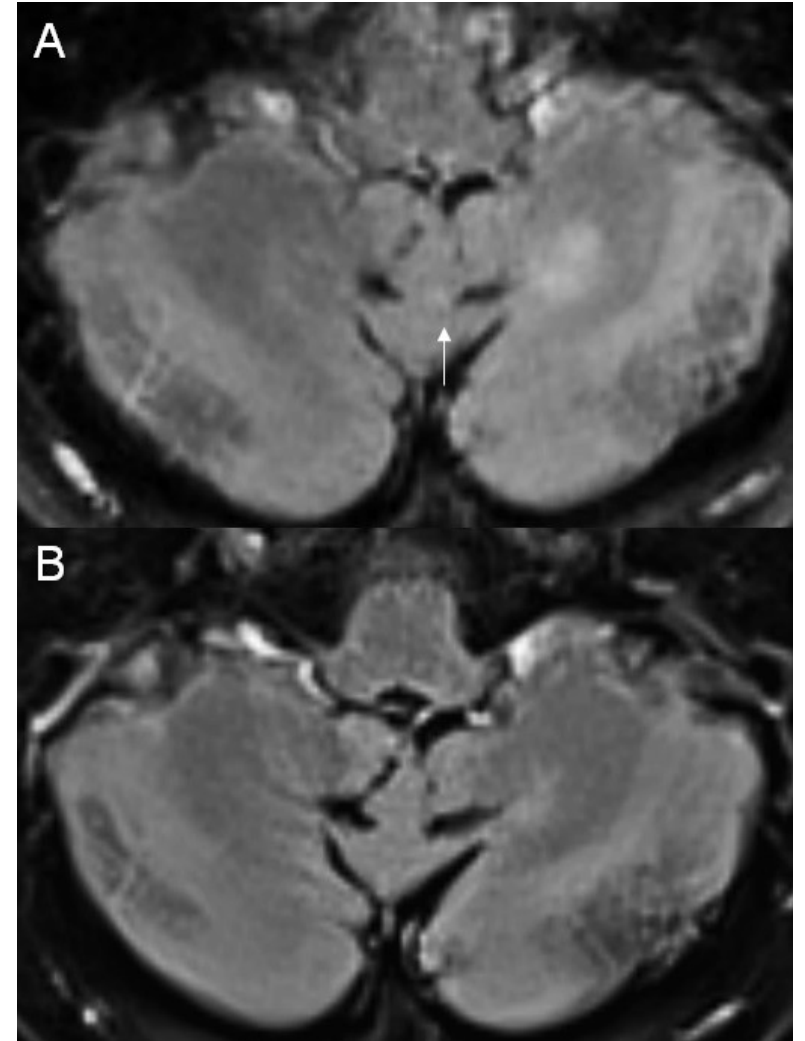
Neurology[®]

Resident & Fellow Section

Vignette

- A 58-year-old man developed subacute gait instability, oscillopsia and vertigo.
- Examination showed gait ataxia and periodic alternating nystagmus (PAN).
- CSF was inflammatory.

Imaging



PERIODIC ALTERNATING NYSTAGMUS IN PARANEOPLASTIC KLHL11 RHOMBOENCEPHALITIS

- Autoantibody evaluation was positive for Kelch-like protein 11 (KLHL11) in serum and CSF by tissue-based immunofluorescence assay and cell-based assay, prompting identification of a retroperitoneal mass by CT imaging consistent with seminoma.¹
- PAN resolved after plasma exchange, corticosteroids, adjuvant chemotherapy, and symptomatic baclofen; downbeat nystagmus persisted.²
- KLHL11-IgG is associated with testicular-germ-cell-tumor paraneoplastic rhomboencephalitis.
- Early identification is crucial as immunotherapy and cancer treatment can prevent neurologic dysfunction.²