

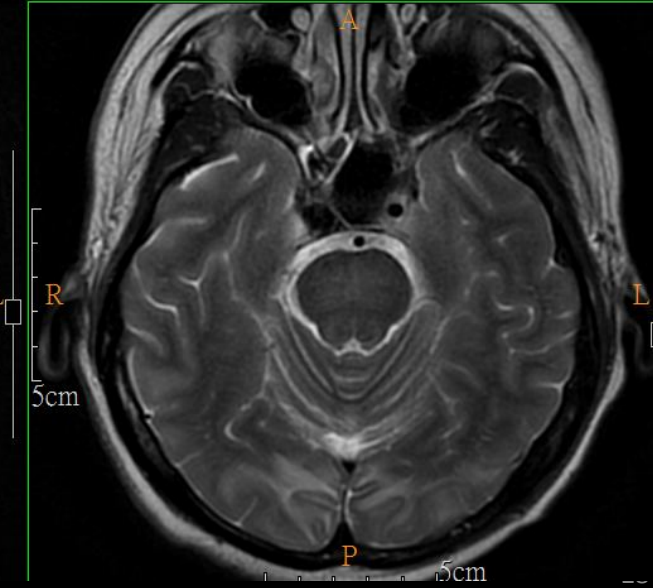
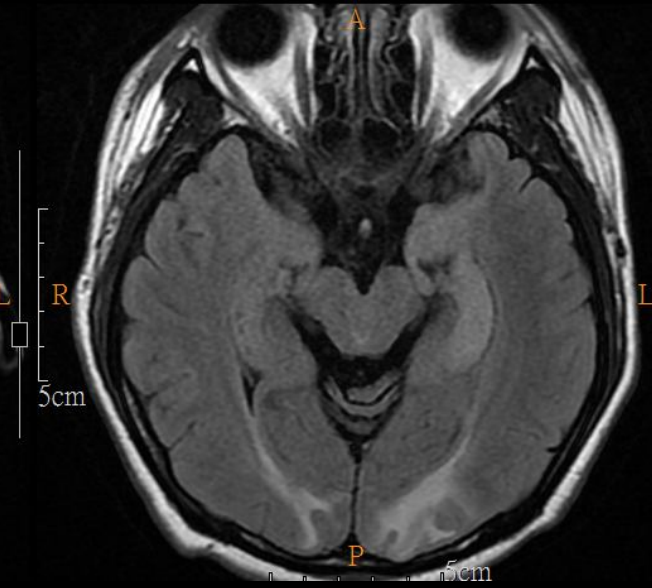
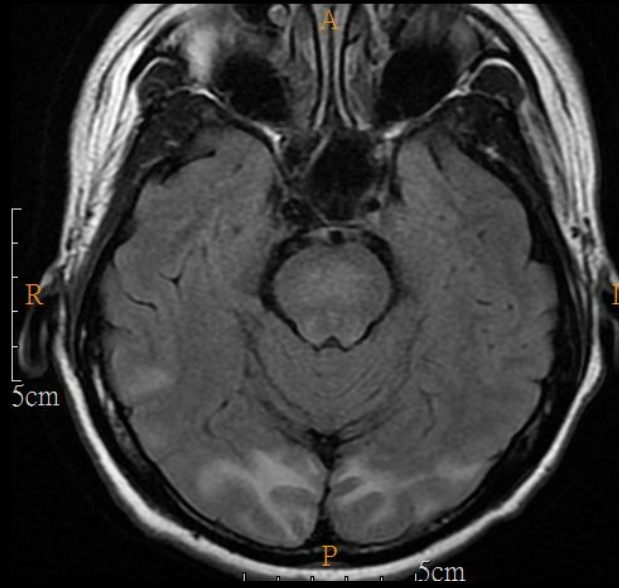
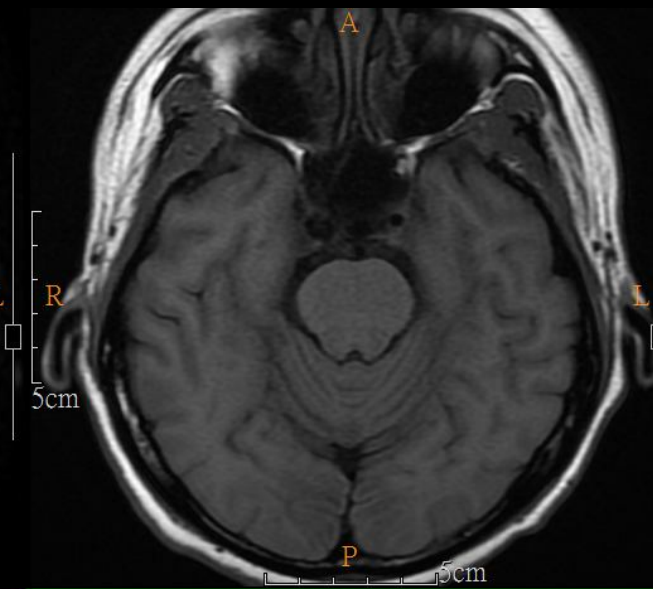
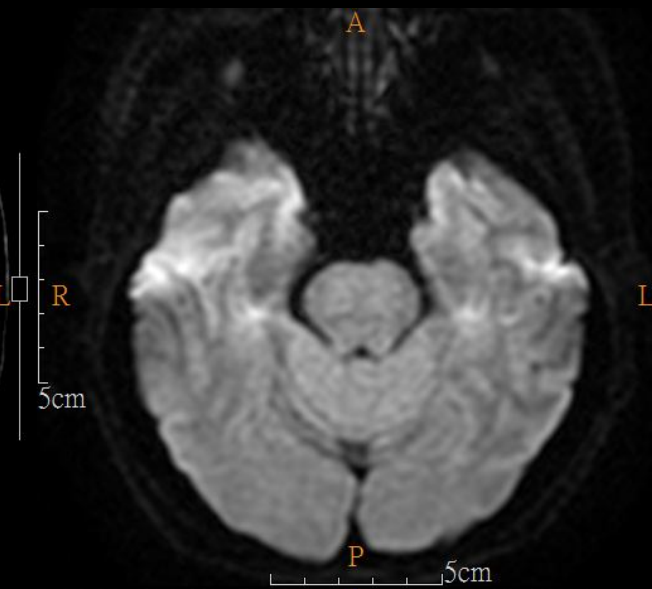
Case 2

Patient Profile

- 36 years old, female
- Chief complaint
 - Recurrent severe lower limbs edema
 - Increased of body weight 10kg for 2weeks
- Past history
 - Unknown ??

Image

- 2018-11-18 Brain CT
- 2018-11-20 MRI



Differential Diagnosis

- Posterior reversible encephalopathy syndrome
- Acute cerebral ischemia-infarction
- Thrombotic microangiopathies (DIC, TTP, mHTN)

Diagnosis

- Underline disease
SLE under treatment for more than 10 years
- PRES, SLE related

Discussion

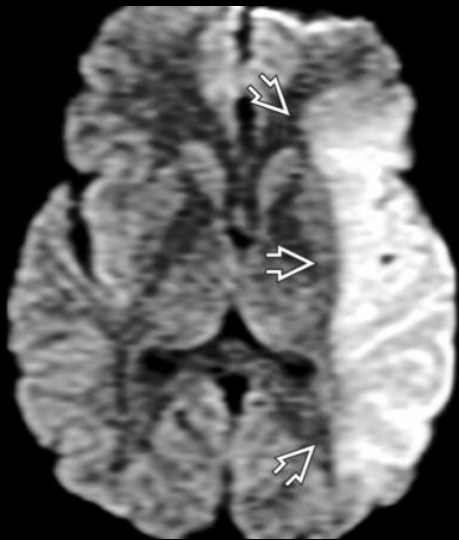
Systemic Lupus Erythematosus

Systemic Lupus Erythematosus

- A wide variety of **neuropsychiatric** manifestations
- The American College of Rheumatology (ACR) defines 19 distinct clinical central and peripheral neuropsychiatric syndromes that can occur in SLE, 12 of which are due to CNS involvement

Neurological Manifestation of SLE

- **Seizure**
- **Cerebrovascular disease**
 - Stroke, TIA, dural venous sinus thrombosis, ICH, vasculitis, PRES
- **Demyelinating syndrome**
 - Multiple sclerosis, optic neuritis, neuromyelitis optica, transverse myelitis
- **Headache**
 - Migraine, idiopathic intracranial hypertension
- **Movement disorder**
 - Chorea
- **Aseptic meningitis**



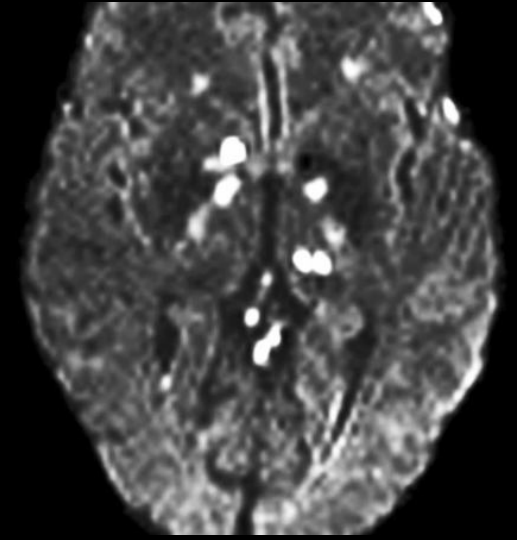
Embolism



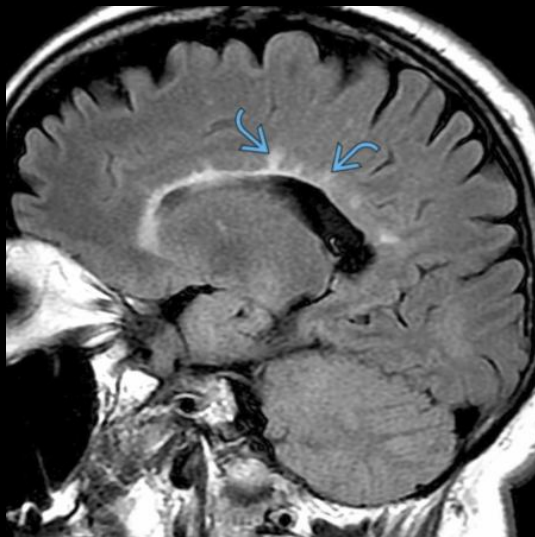
Sinus Thombosis



ICH



Vasculitis



MS



NMO



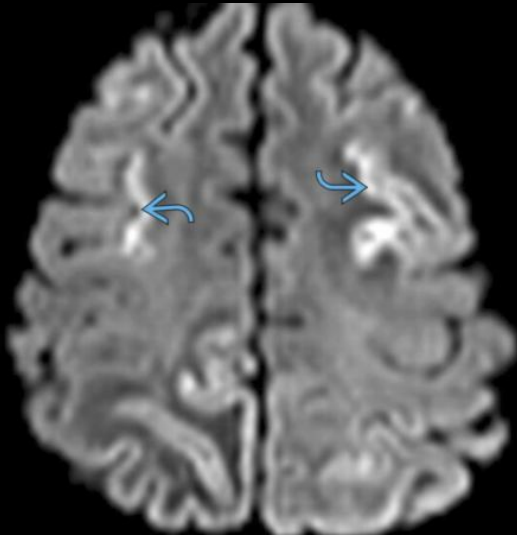
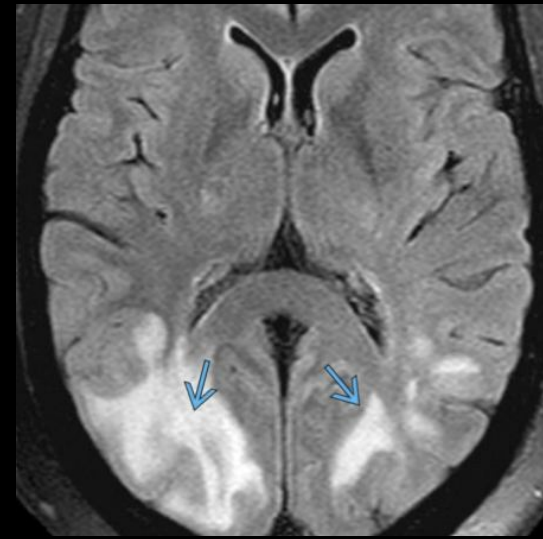
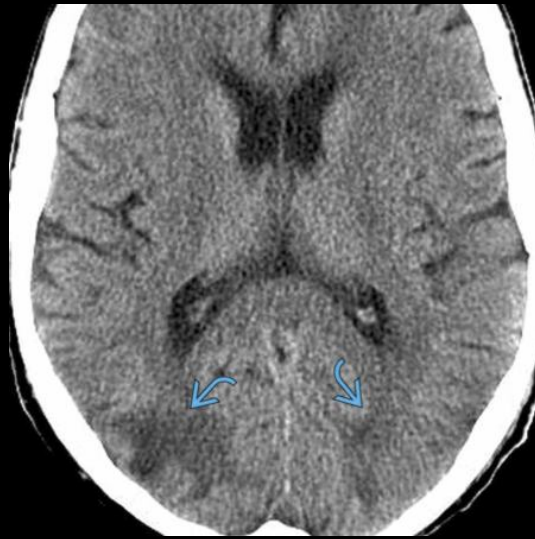
Idiopathic intracranial hypertension



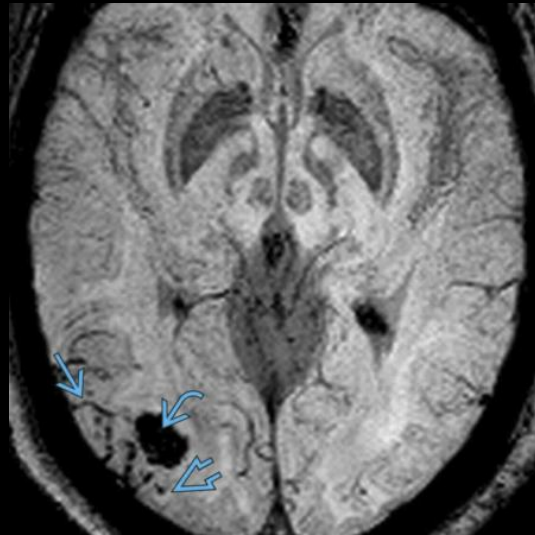
Transverse myelitis

PRES

- Many etiologies with HTN as common component
 - Preeclampsia, eclampsia
 - Drug toxicity (e.g., chemotherapy)
 - Uremic encephalopathies
- Images
 - Patchy parietooccipital cortical/subcortical edema in patient with severe acute/subacute HTN
 - Parietooccipital T2/FLAIR hyperintensities in 95%
 - ± basal ganglia, pontine, cerebellar involvement
 - 3 patterns of hemorrhage: Focal parenchymal hemorrhage, microhemorrhages, convexity SAH
 - Generally no restriction on DWI
 - Variable patchy enhancement



Cytotoxic edema



SAH, hemorrhage



Pons involvement