

CASE 3

41 Y/O WOMAN

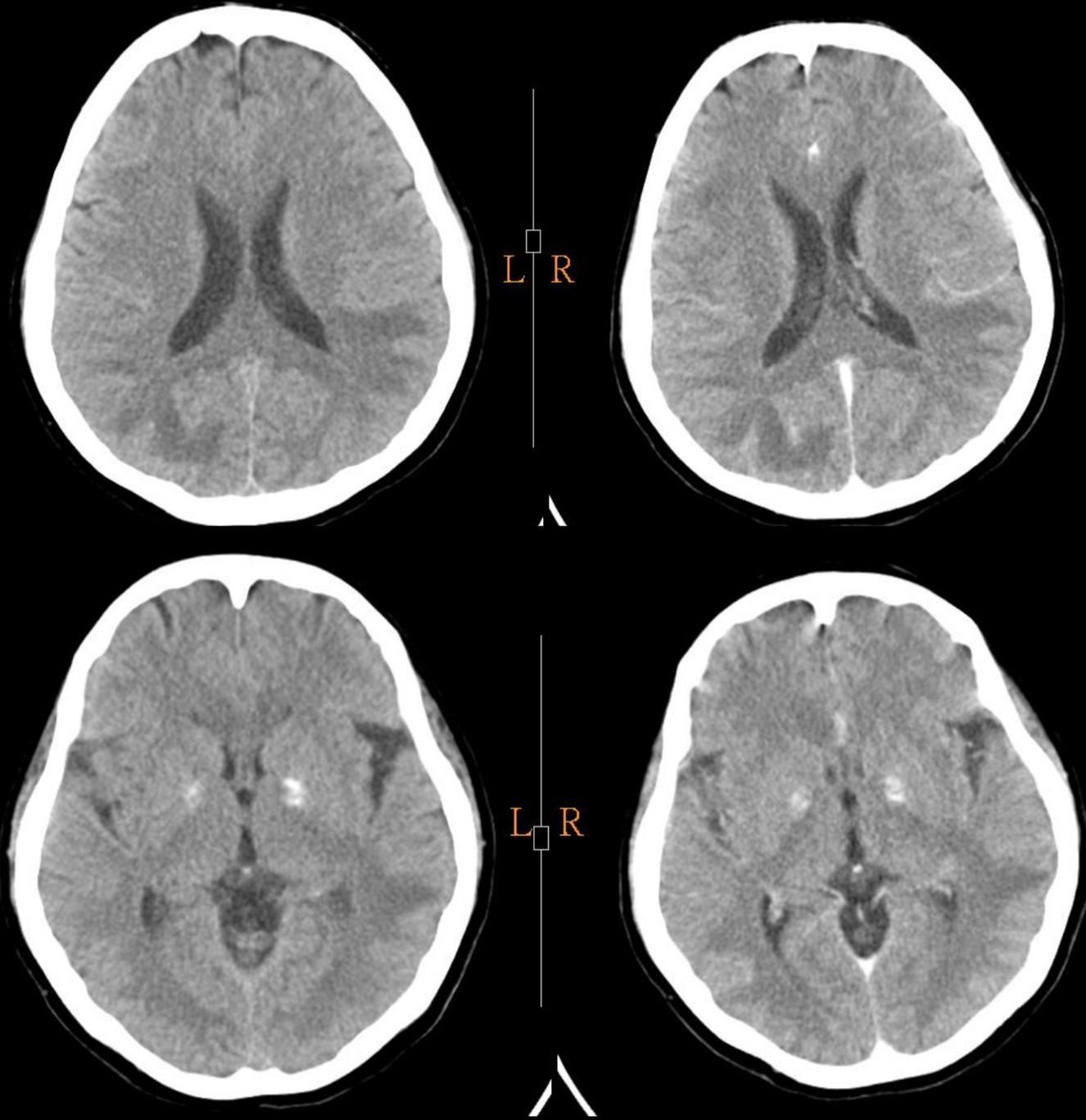
Brief history

- 41 y/o woman
- PHx: Adenomyosis status post laparoscope-assisted vaginal hysterectomy
- Chief complain:
 - Slurred speech and disoriented since afternoon
 - Fever and chills for 2 days after discharge from GYN ward, but subsided already.
 - Family report alcohol drinking everyday after discharge ?

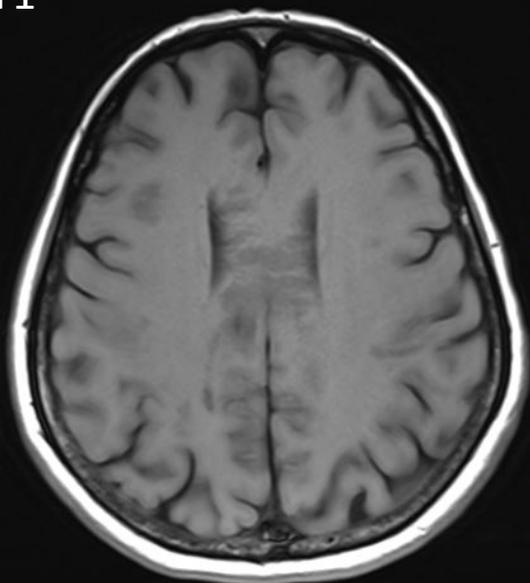
Imaging studies

- Brain CT (+C)
- Brain MRI (+C)

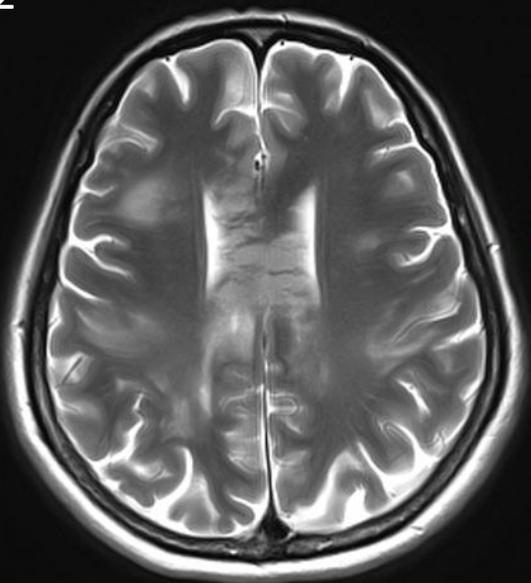
CT



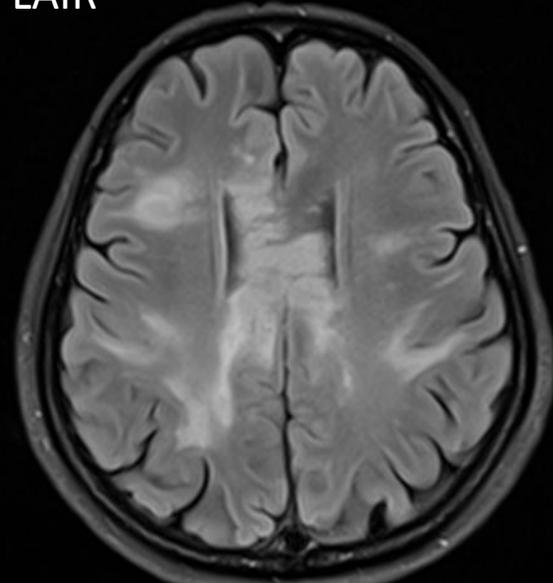
T1



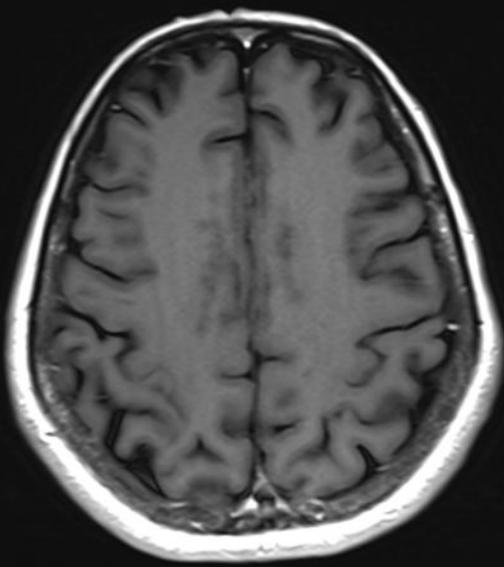
T2



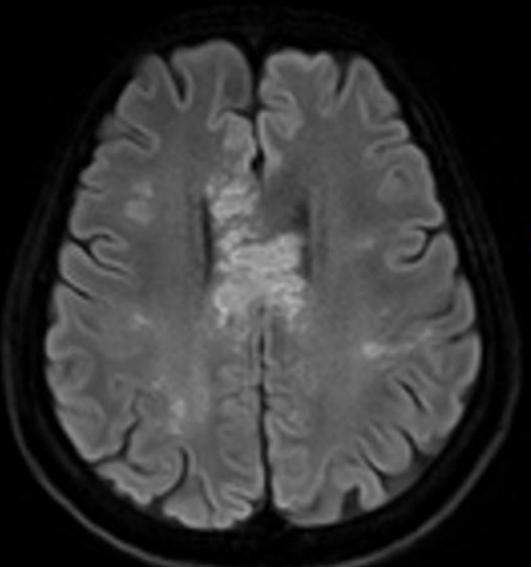
FLAIR



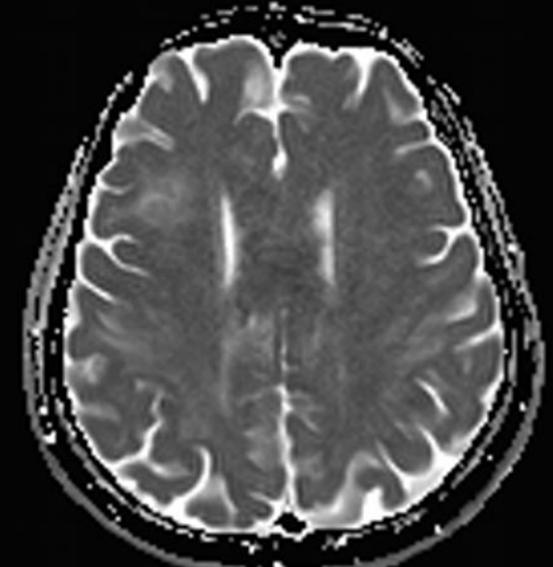
T1+C



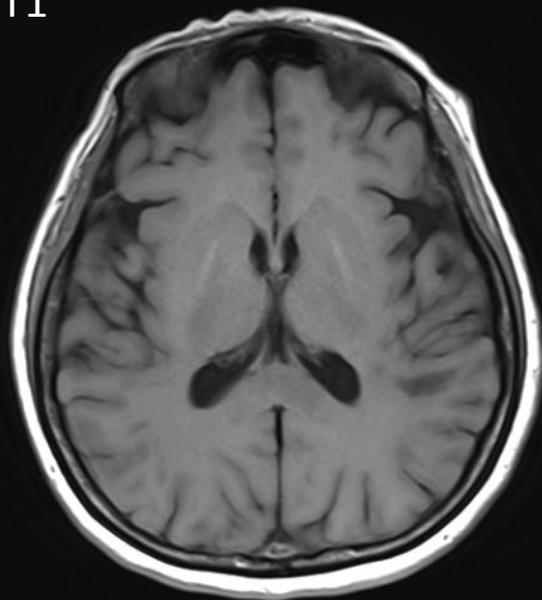
DWI



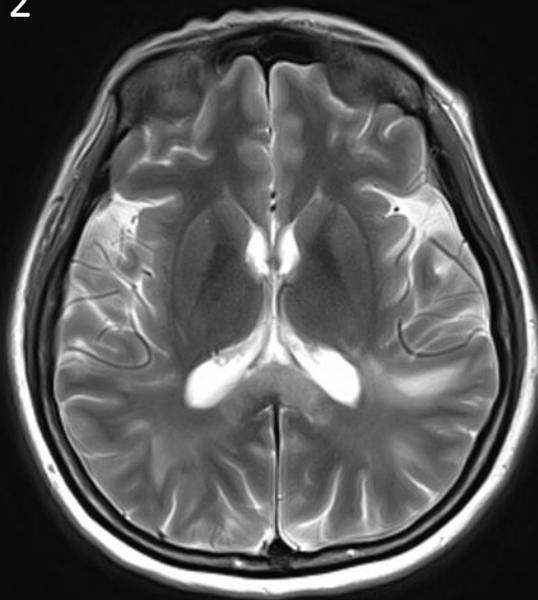
ADC



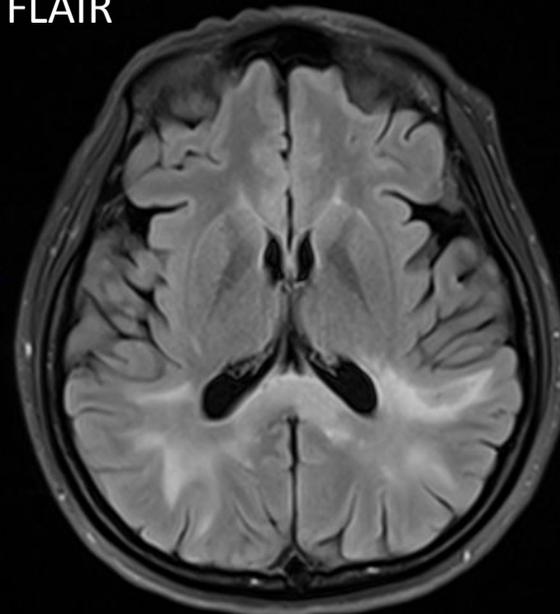
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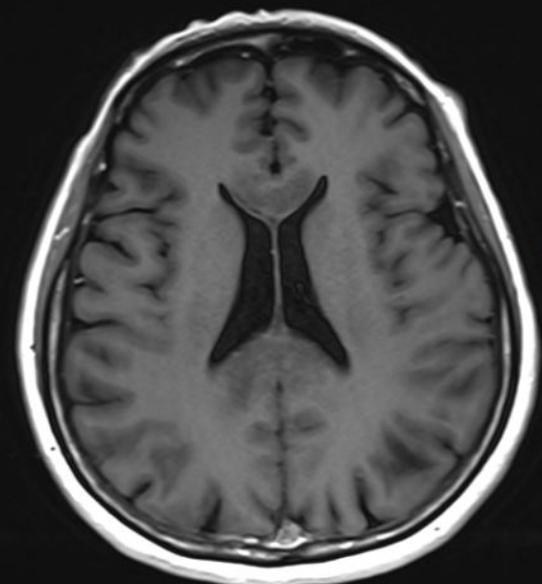
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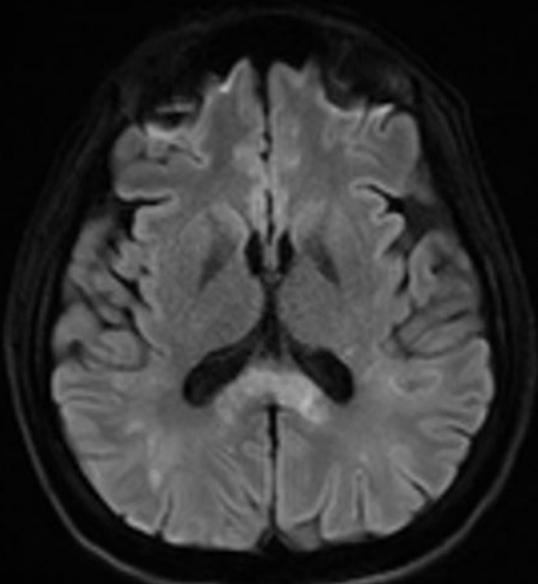
FLAIR



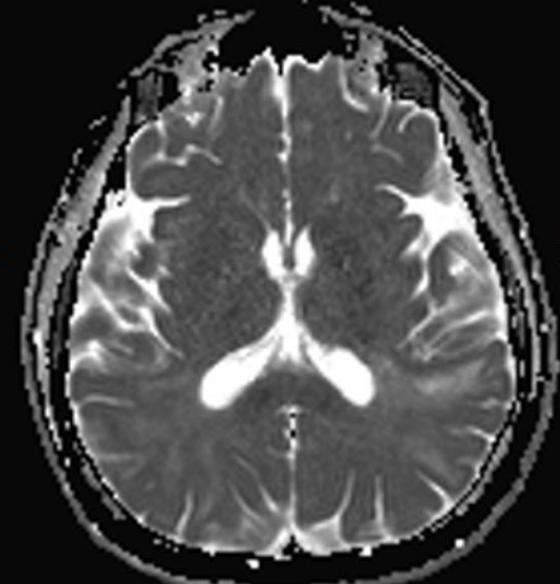
T1+C



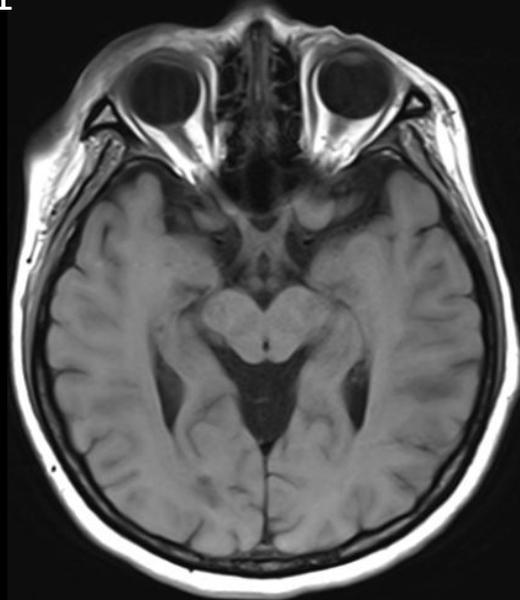
DWI



ADC

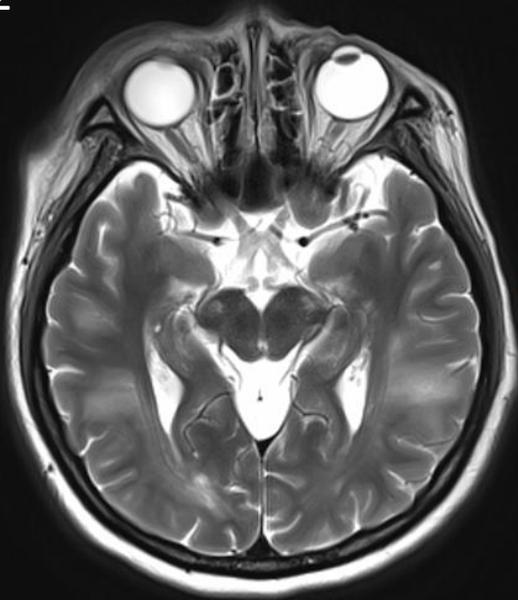


T1



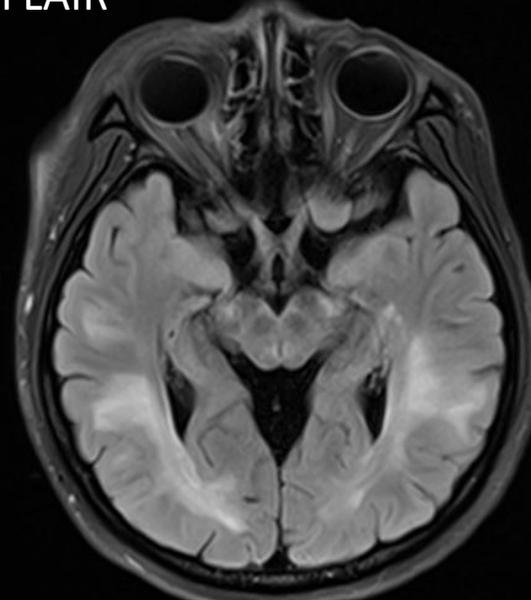
P
A

T2



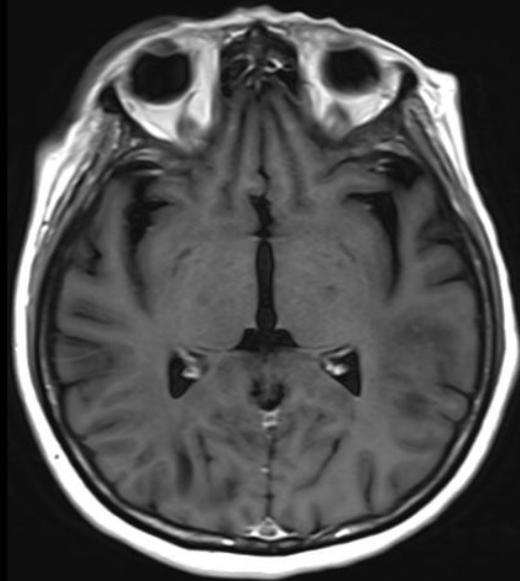
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A

FLAIR



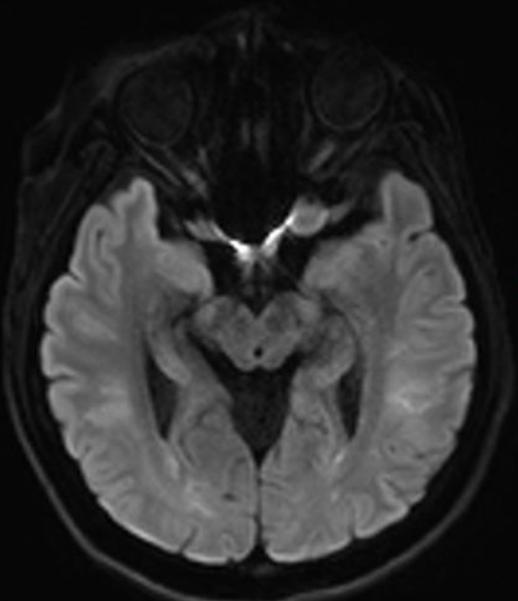
P
A

T1+C



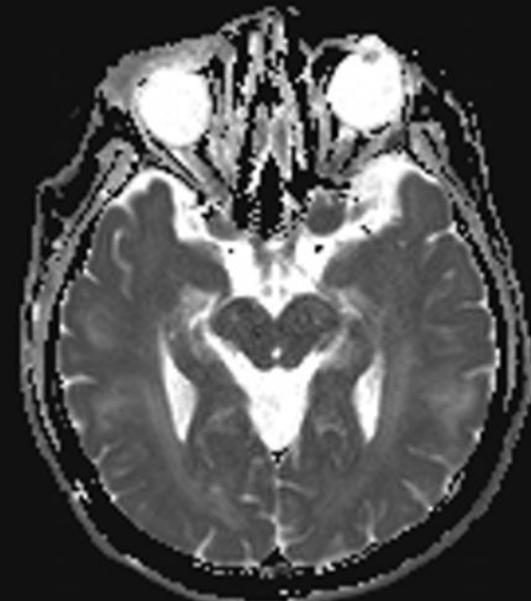
L R

DWI



L R

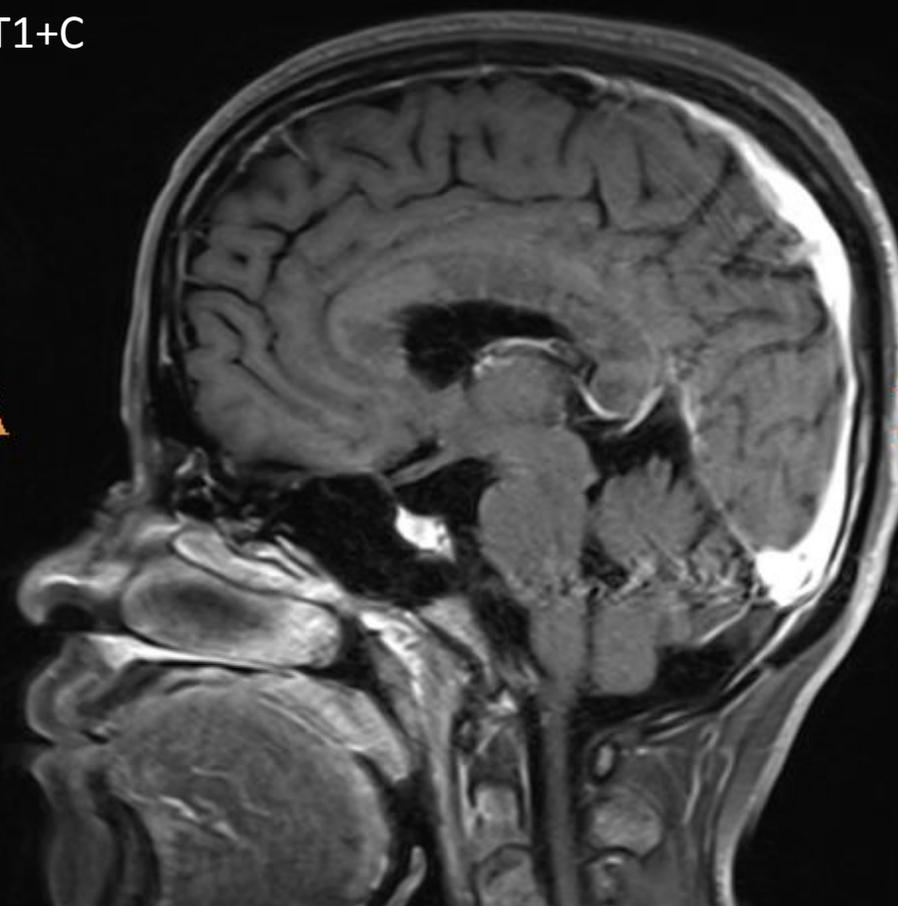
ADC



T2



T1+C



P A

DDx:

- Acute disseminated encephalomyelitis (ADEM)
- Multiple Sclerosis (MS)
- Neuromyelitis optica spectrum disorders (NMOSD)
 - NMO-IgG (targets water channel AQP4) positive
 - Seen in 70% of NMO patients, 99% specificity