

In the name of GOD




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Neuroimaging Findings in COVID-19



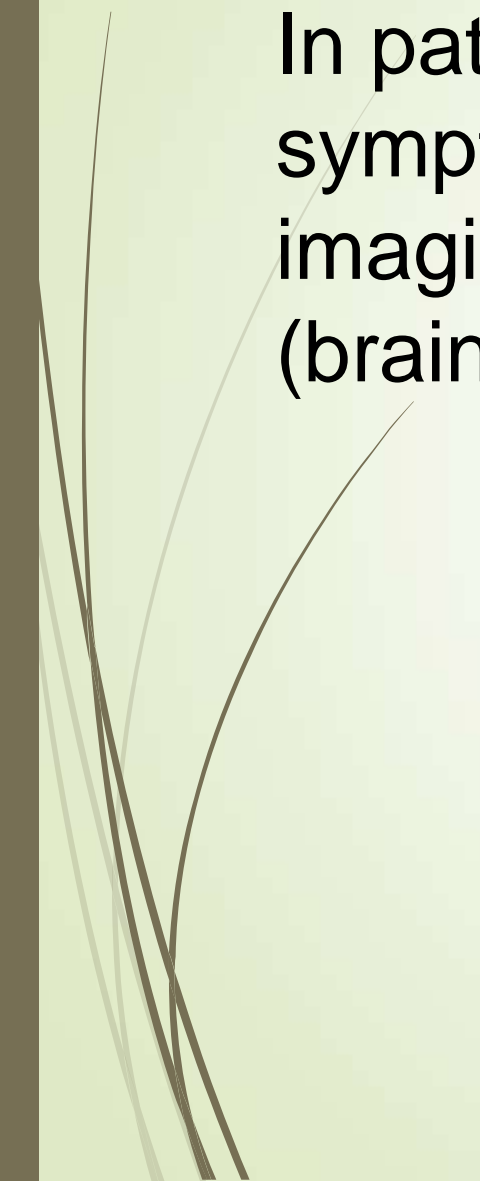


In patients with COVID-19
neurologic symptoms are
about 30-40 %





In patients with neuro-COVID-19
symptoms about 40 % had normal
imaging studies
(brain CT or MRI)





Two main pathophysiological hypotheses


Direct viral invasion through hematological, transcribrial, and neuronal retrograde dissemination pathways

The other possible mechanism is via hyperimmune-related reactions



Other Causes





The 3 most common clinical indications for brain imaging in covid are the following:

- 1) altered mental status
- 2) syncope/fall
- 3) focal neurologic deficit



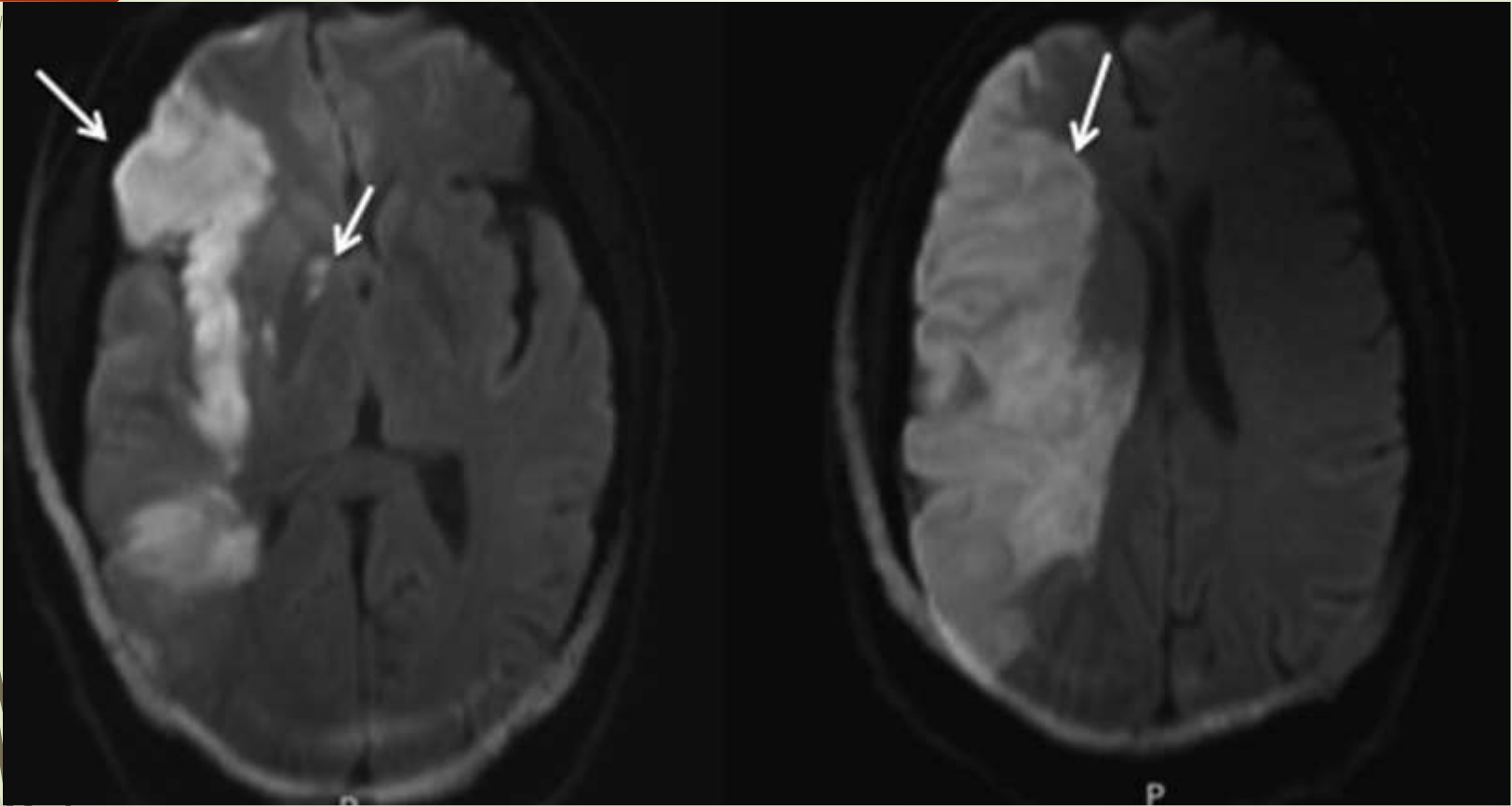
Imaging Modalities

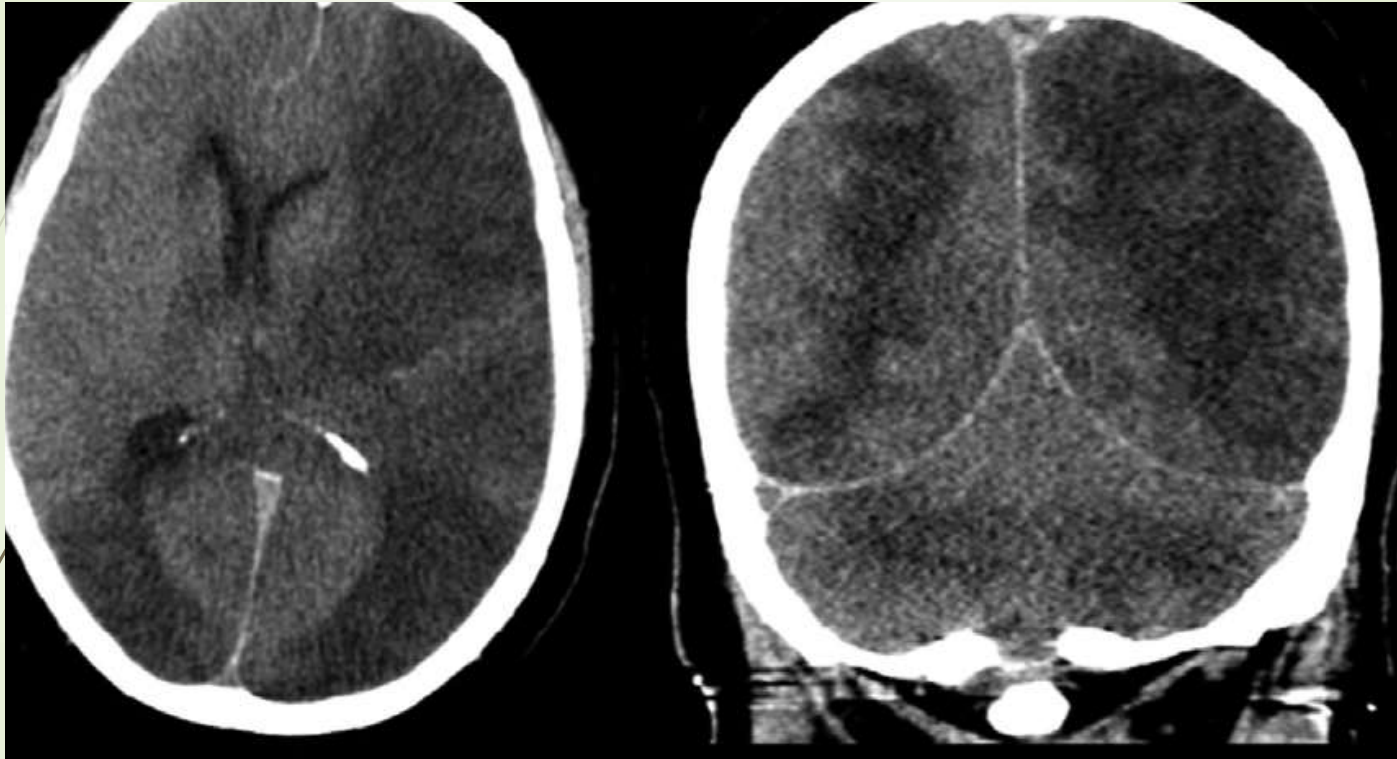




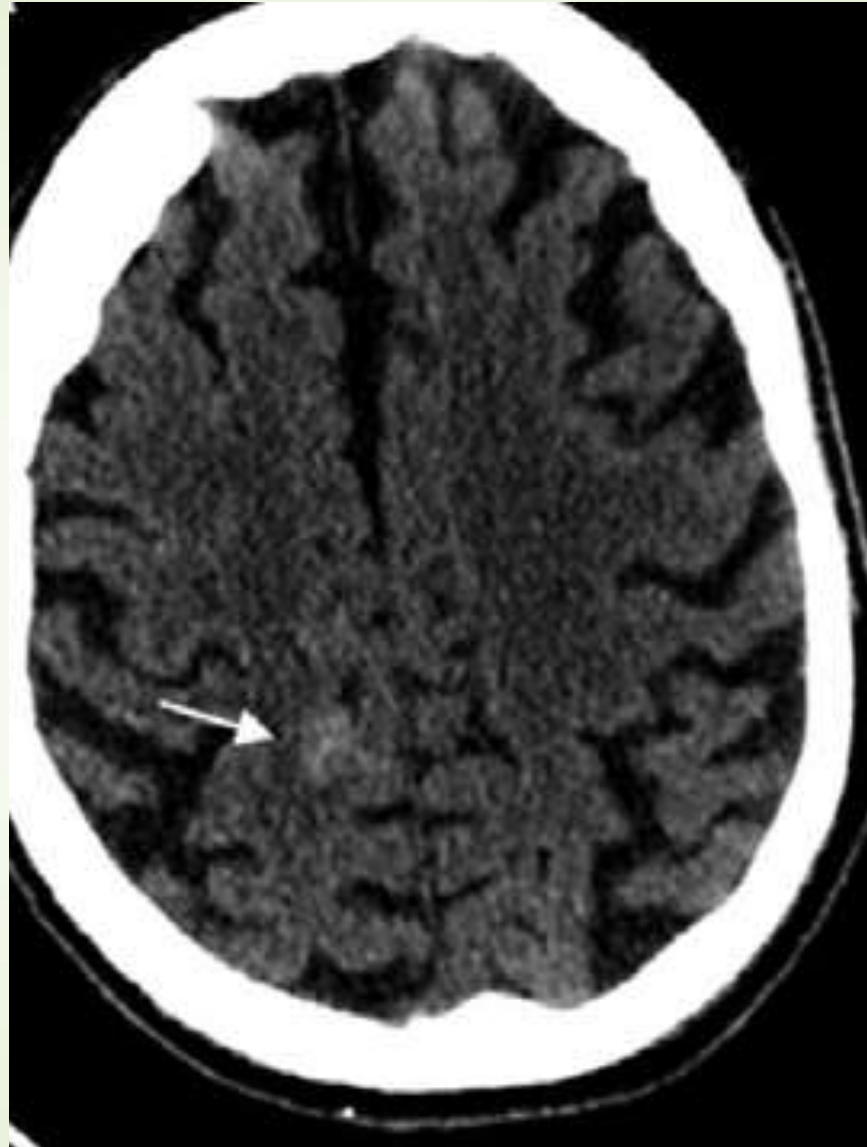
Cerebrovascular events

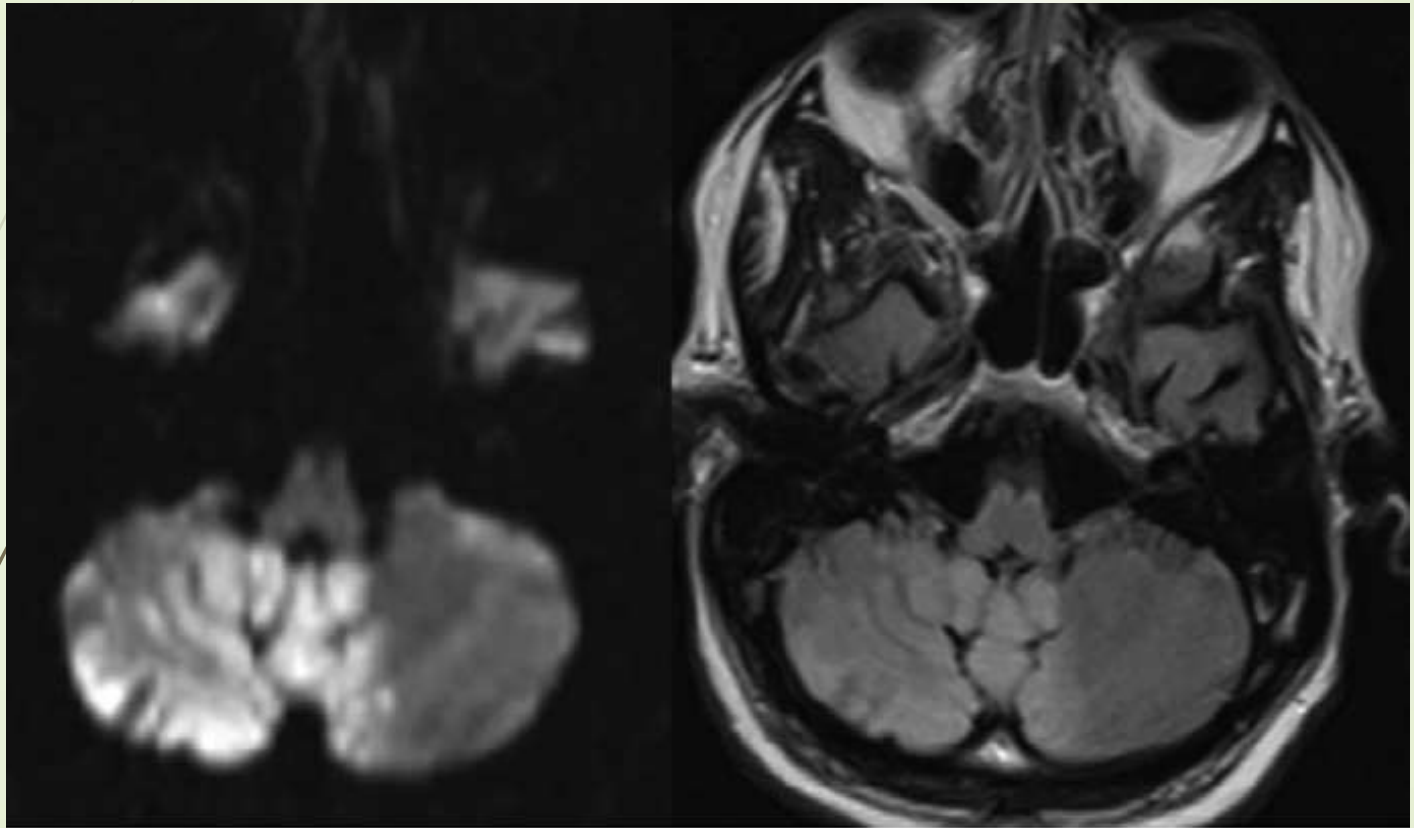


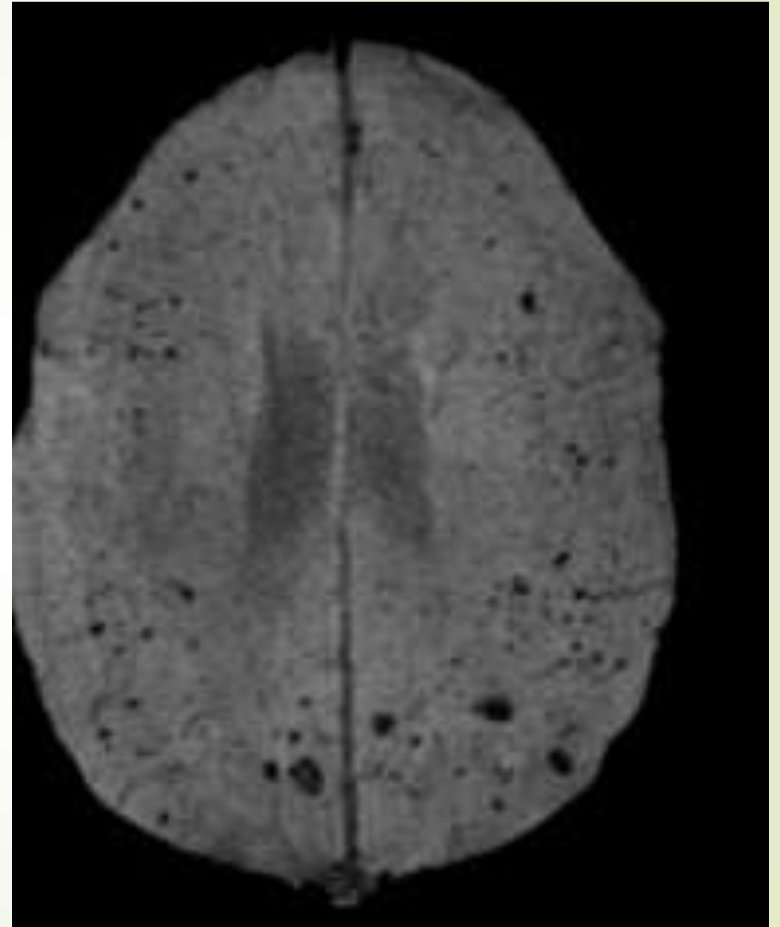
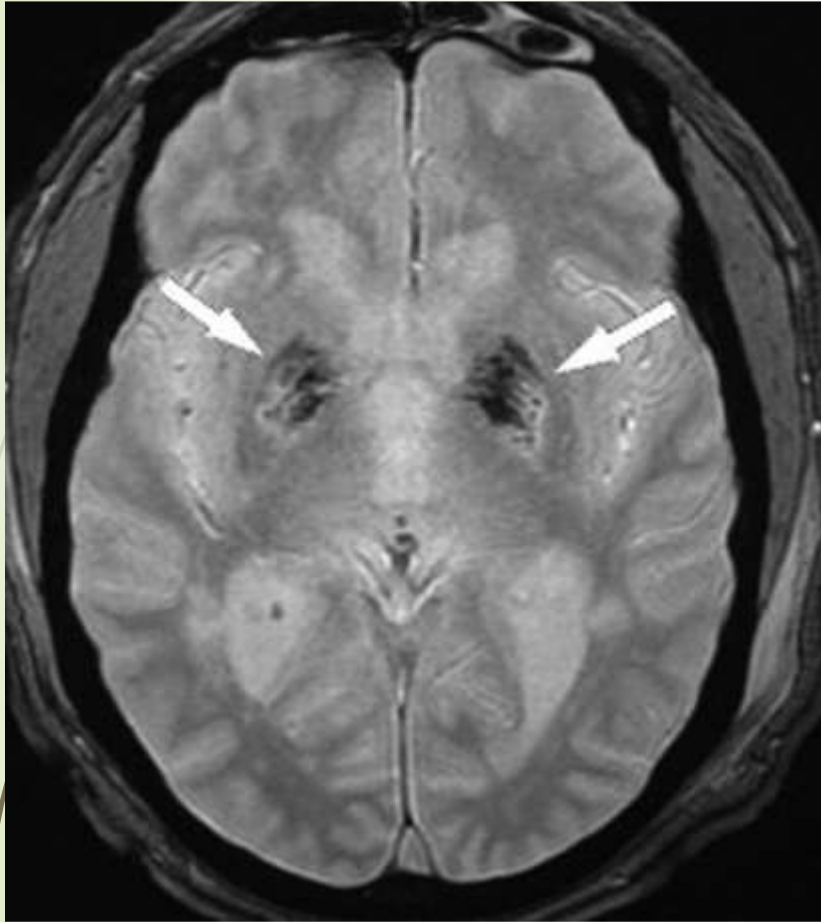


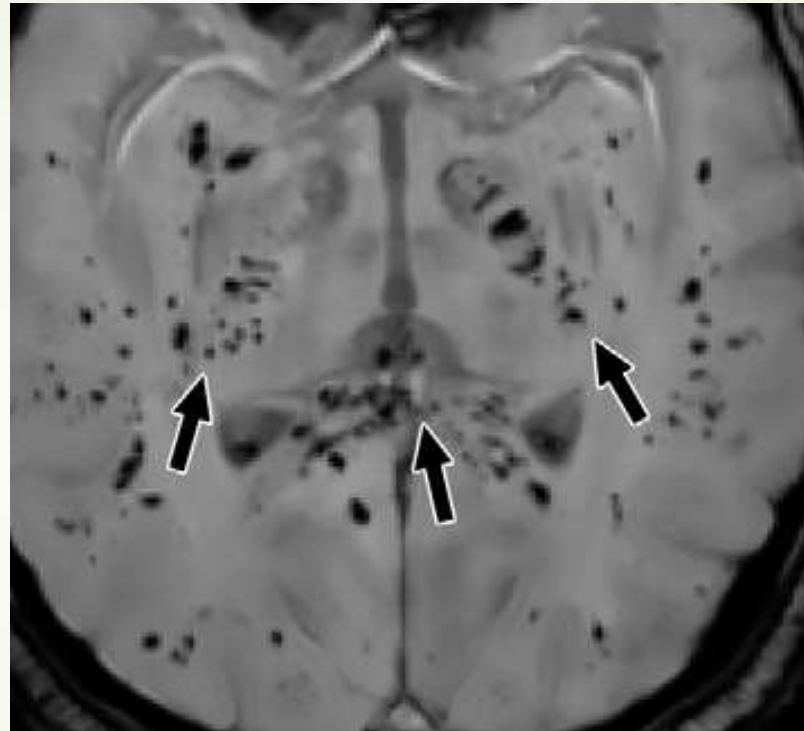


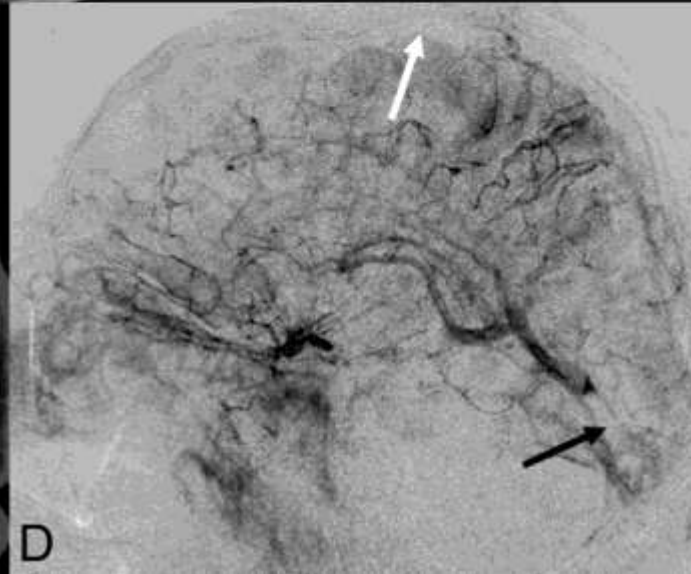
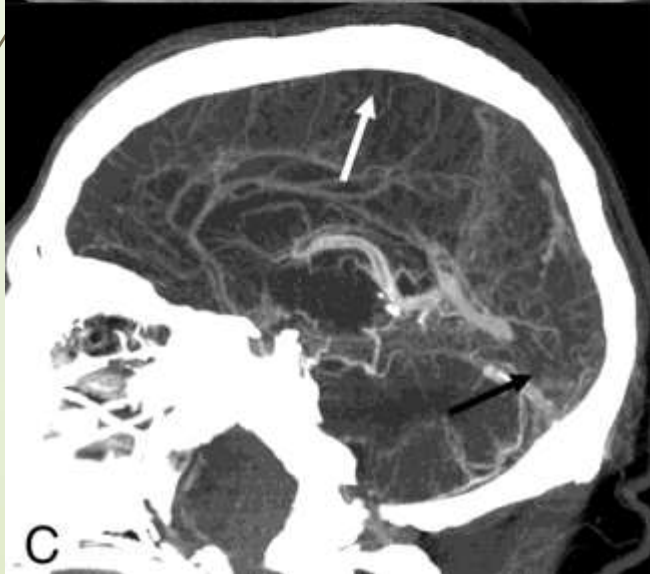
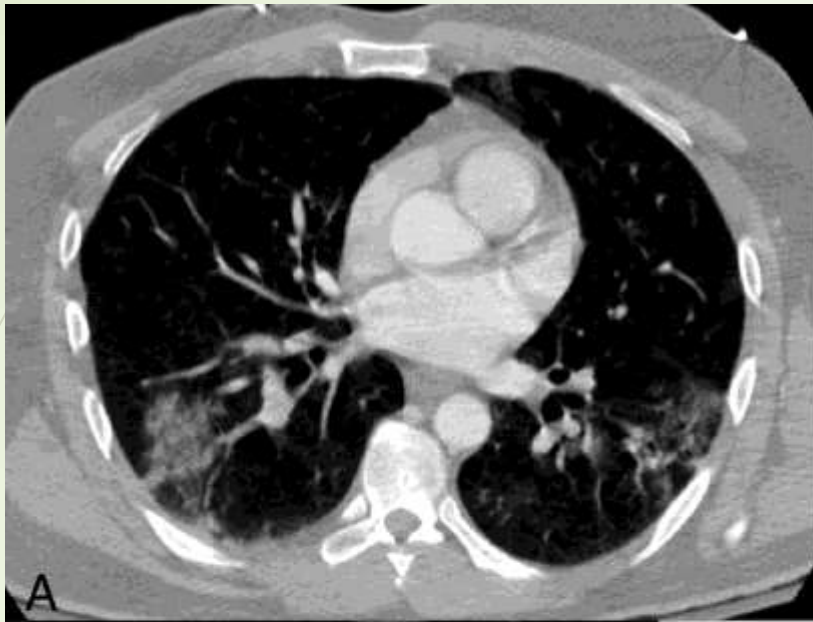






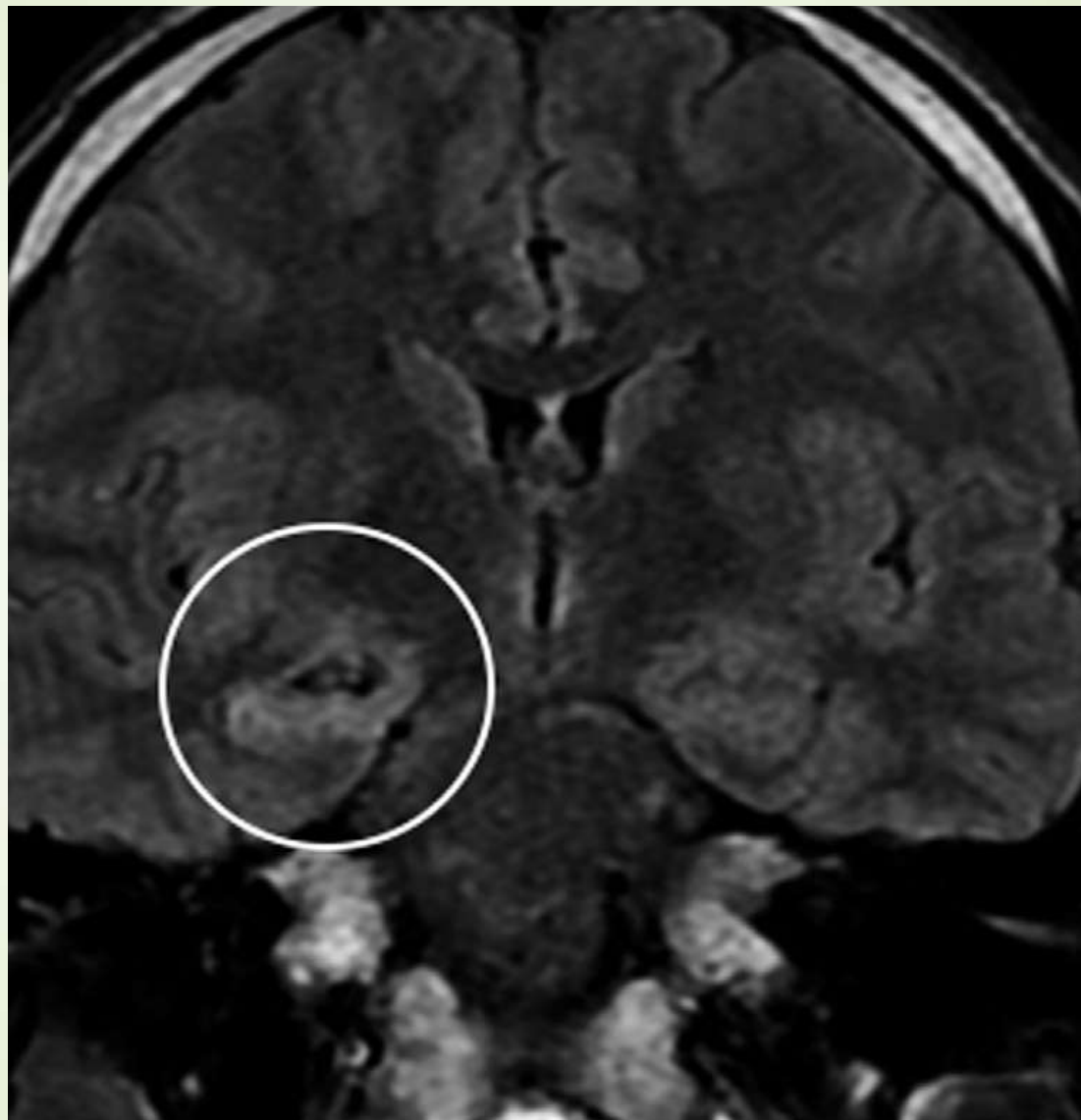


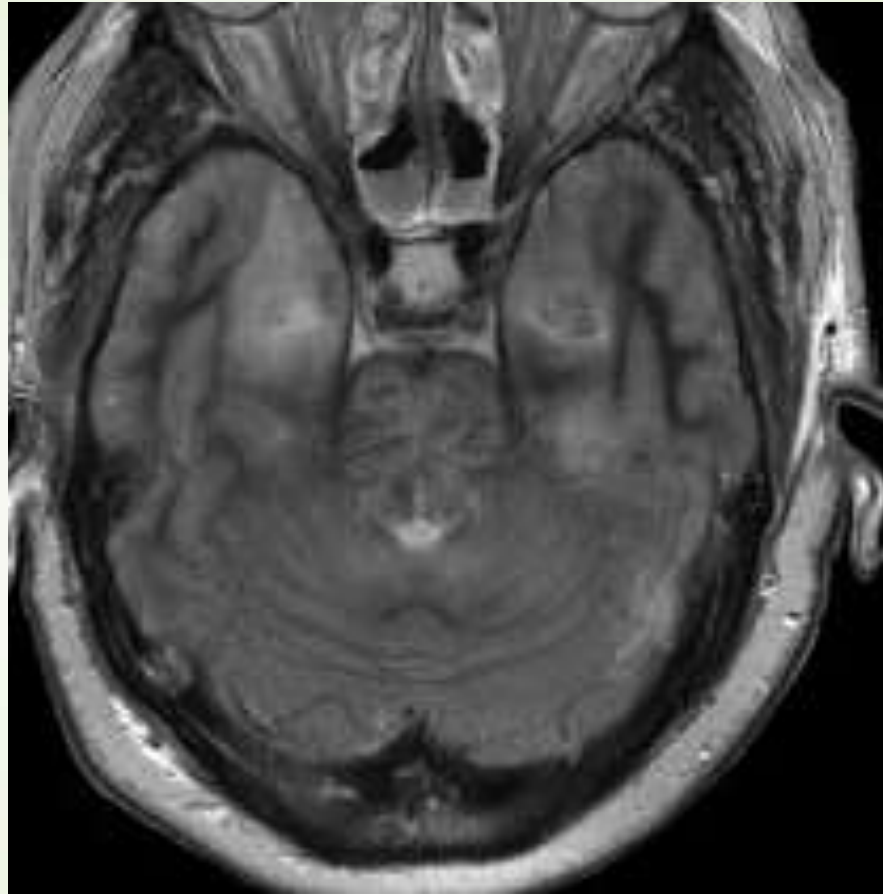


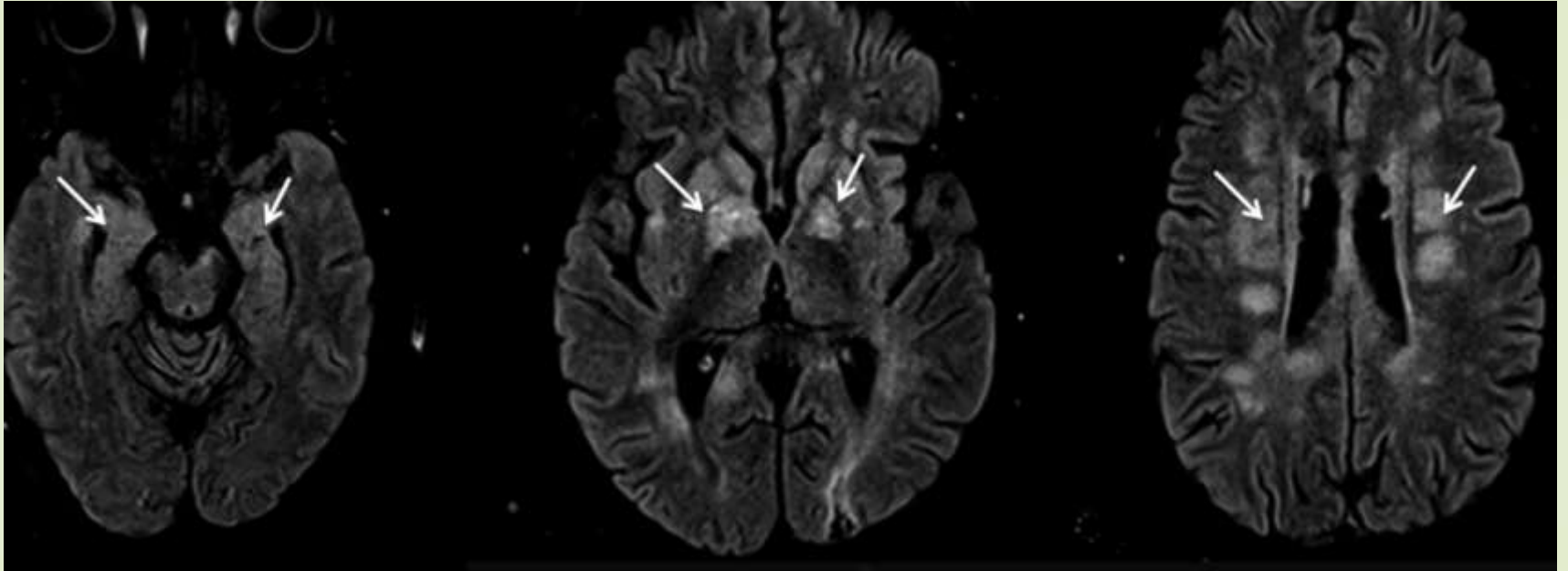


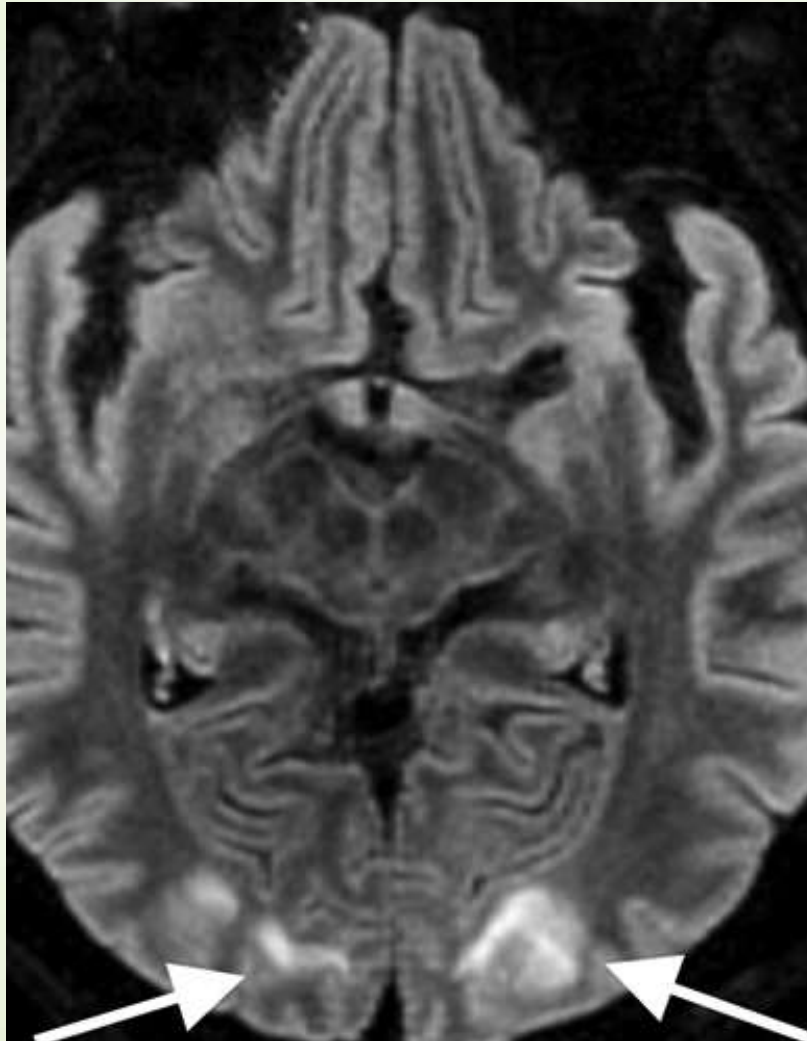


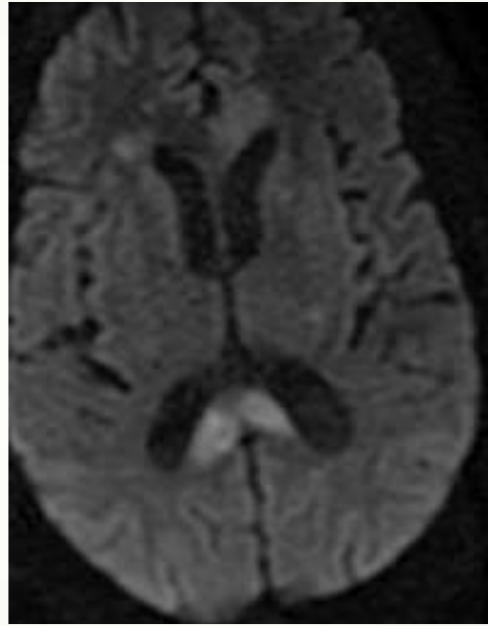
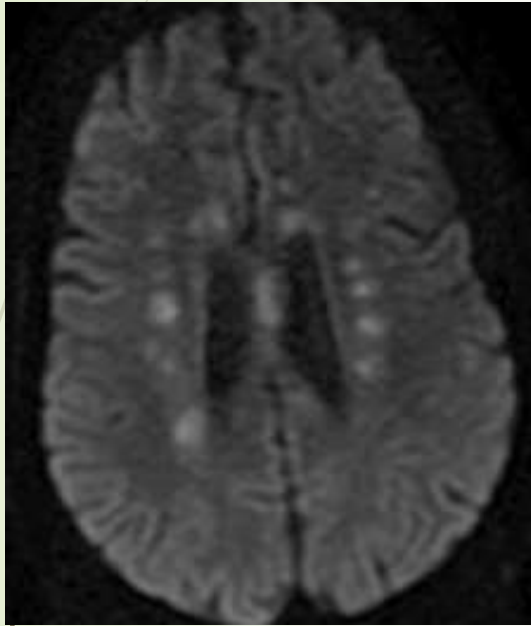
Acute inflammatory/infectious CNS syndromes

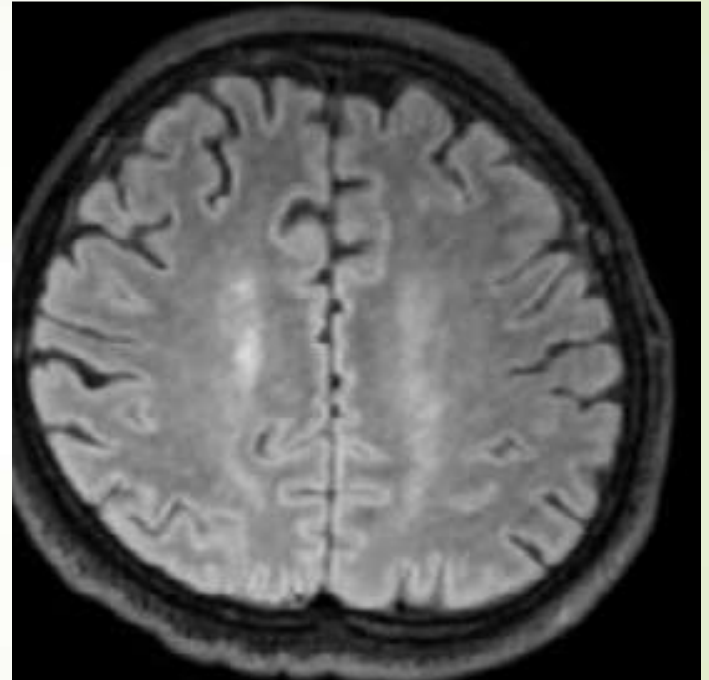
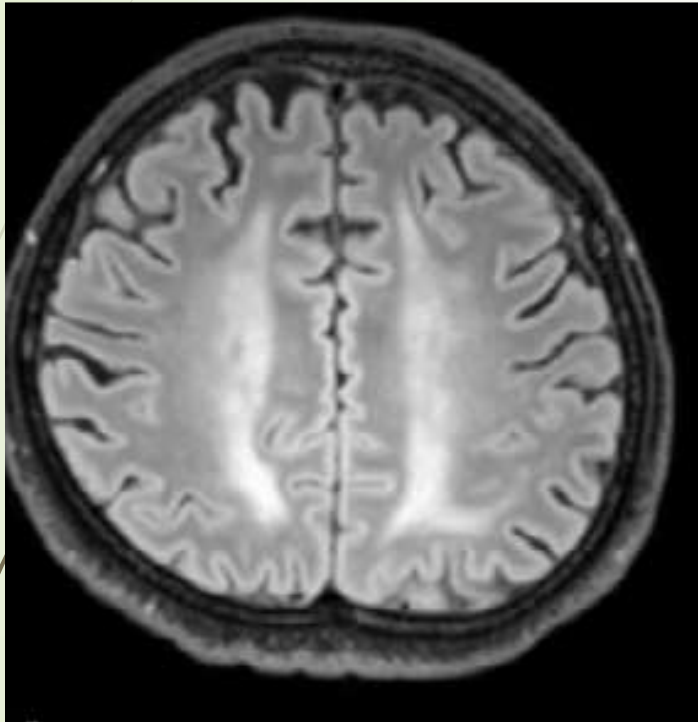


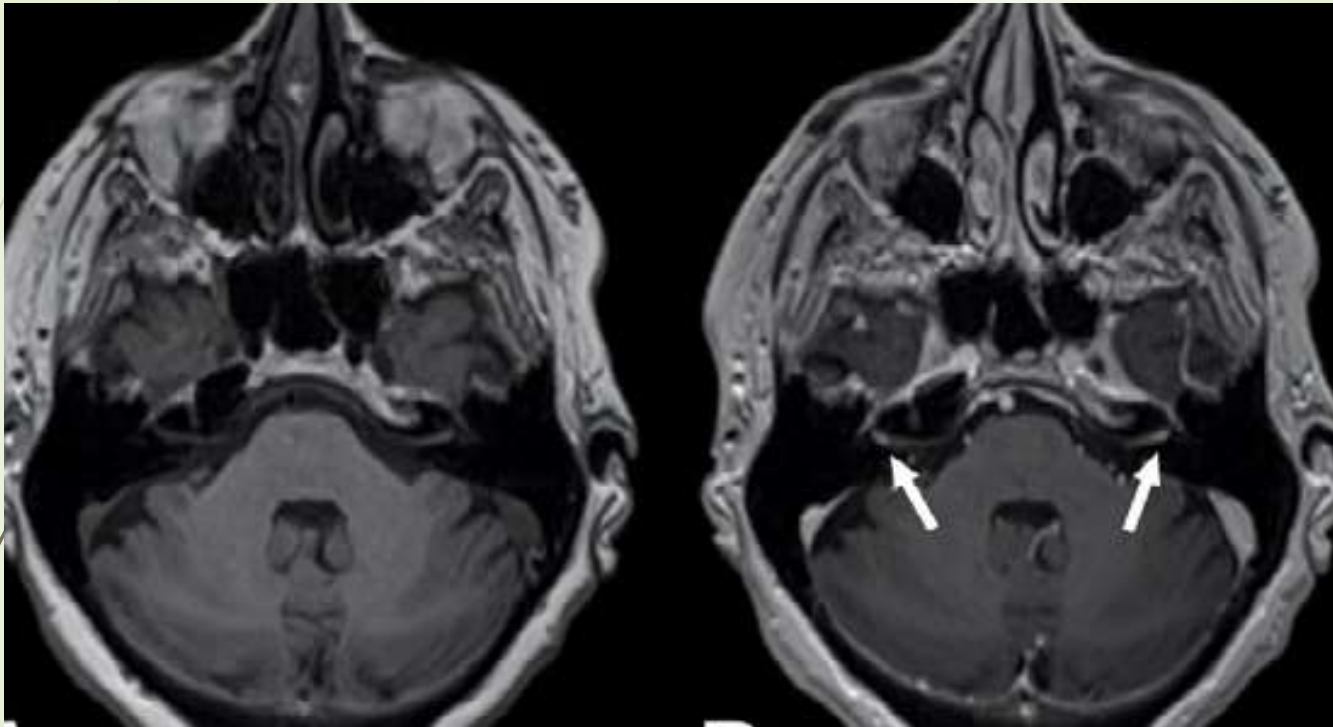












Thanks for Your Attention

