

Rhombencephalitis

- Brain Stem and Cerebellum = Rhombencephalon
- Wide variety of etiologies
 - infections
 - autoimmune diseases
 - paraneoplastic syndromes
 - *Listeria monocytogenes* being cited as the most common cause

Rhombencephalitis

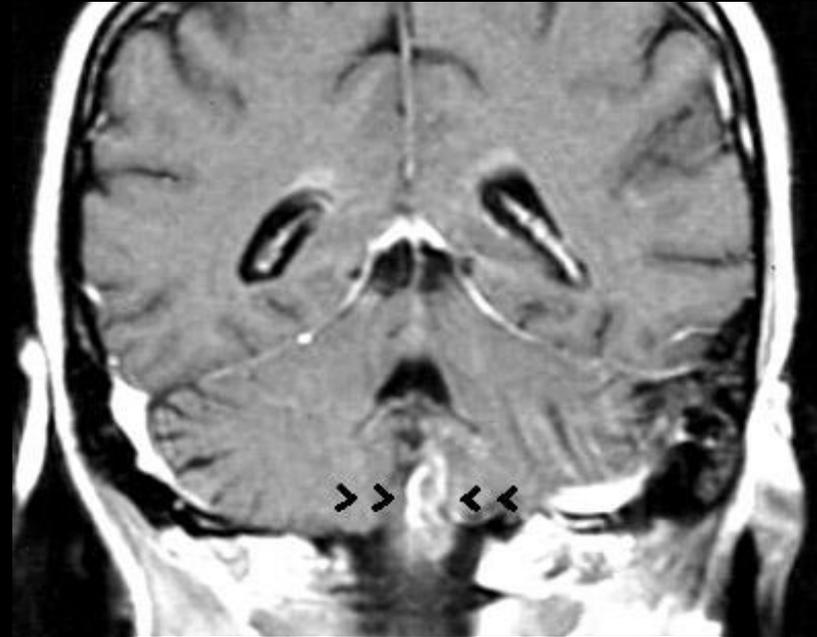
- Brain stem abscess highly suggestive of listeria infection.
- Can cause diffuse encephalitis too
- Herpes and listeria are the most common cause of **Rhombencephalitis, other viruses can cause it**

Listeria Rhombencephalitis

Brain stem abscess highly suggestive of listeria infection. Can cause diffuse encephalitis too

Herpes and listeria are the most common cause of

Rhombencephalitis, other viruses can cause it



Rhombencephalitis (adenovirus)

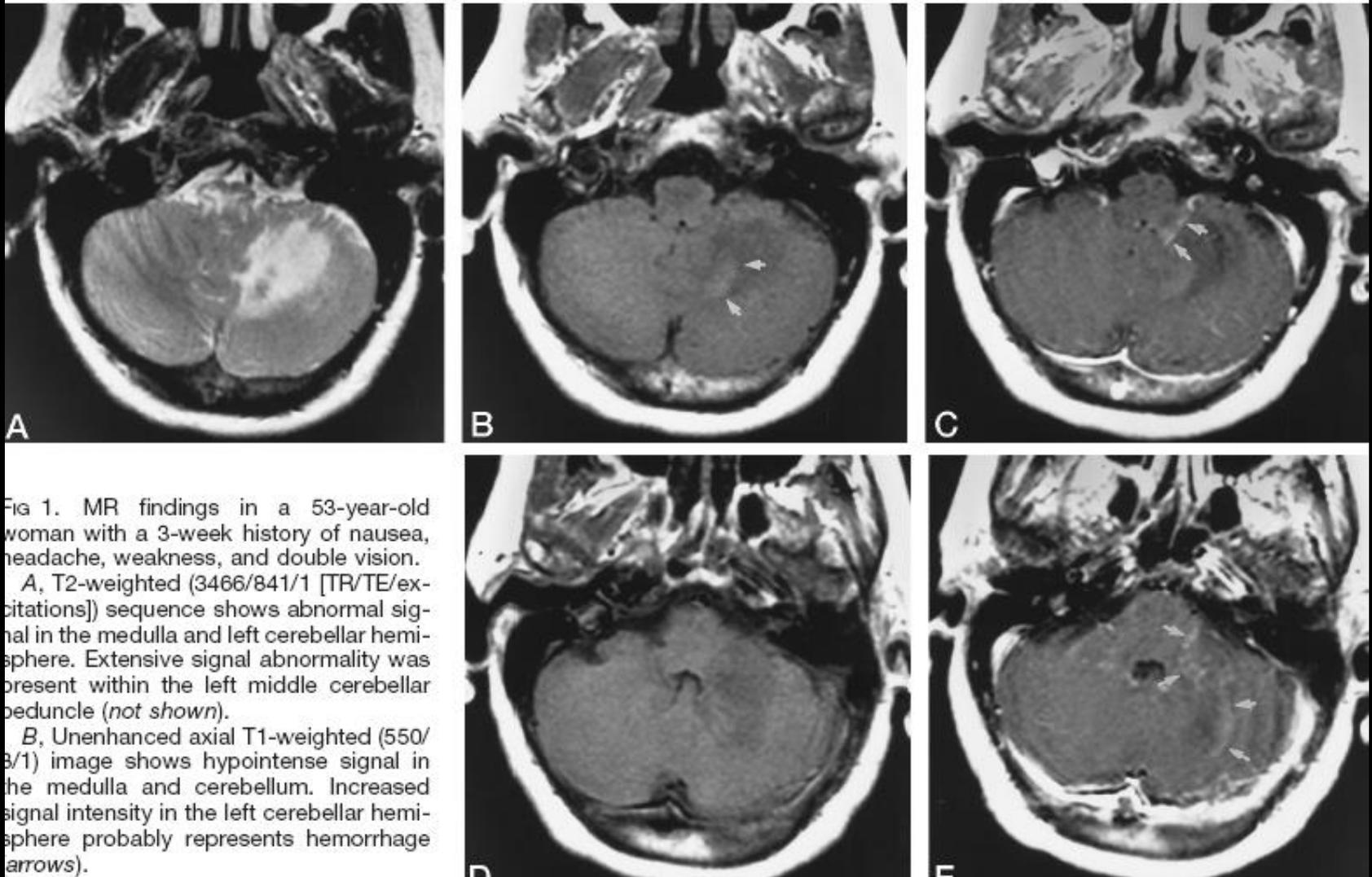
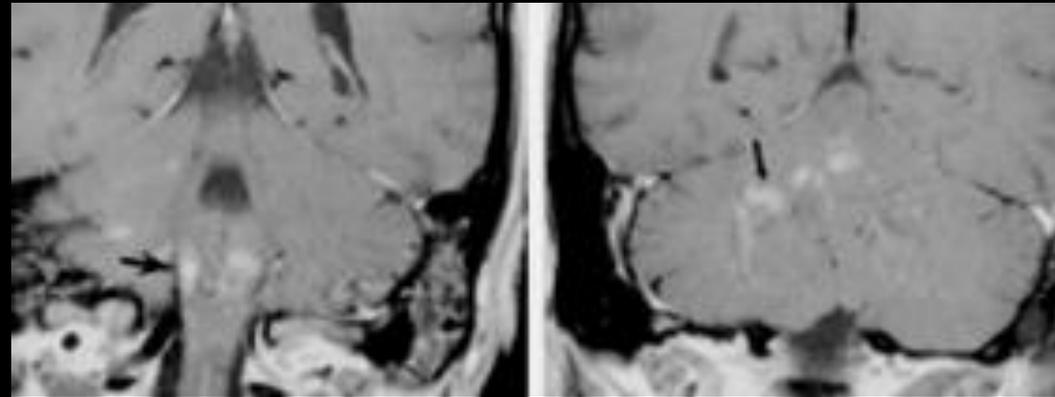
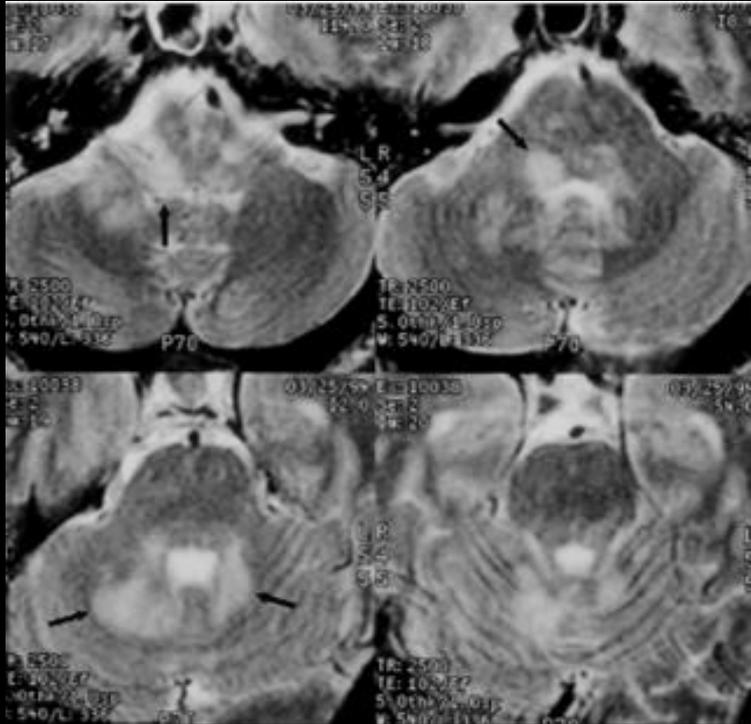


Fig 1. MR findings in a 53-year-old woman with a 3-week history of nausea, headache, weakness, and double vision.

A, T2-weighted (3466/841/1 [TR/TE/excitations]) sequence shows abnormal signal in the medulla and left cerebellar hemisphere. Extensive signal abnormality was present within the left middle cerebellar peduncle (*not shown*).

B, Unenhanced axial T1-weighted (550/3/1) image shows hypointense signal in the medulla and cerebellum. Increased signal intensity in the left cerebellar hemisphere probably represents hemorrhage (arrows).

Listeria Rhombencephalitis



Listeria Rhombencephalitis

- Brain Stem and Cerebellum = Rhombencephalon
- DDX:
 - Viral encephalitis
 - MS and ADEM
 - Lymphoma
 - Vasculitis (Behçet's, SLE)
 - Sarcoid