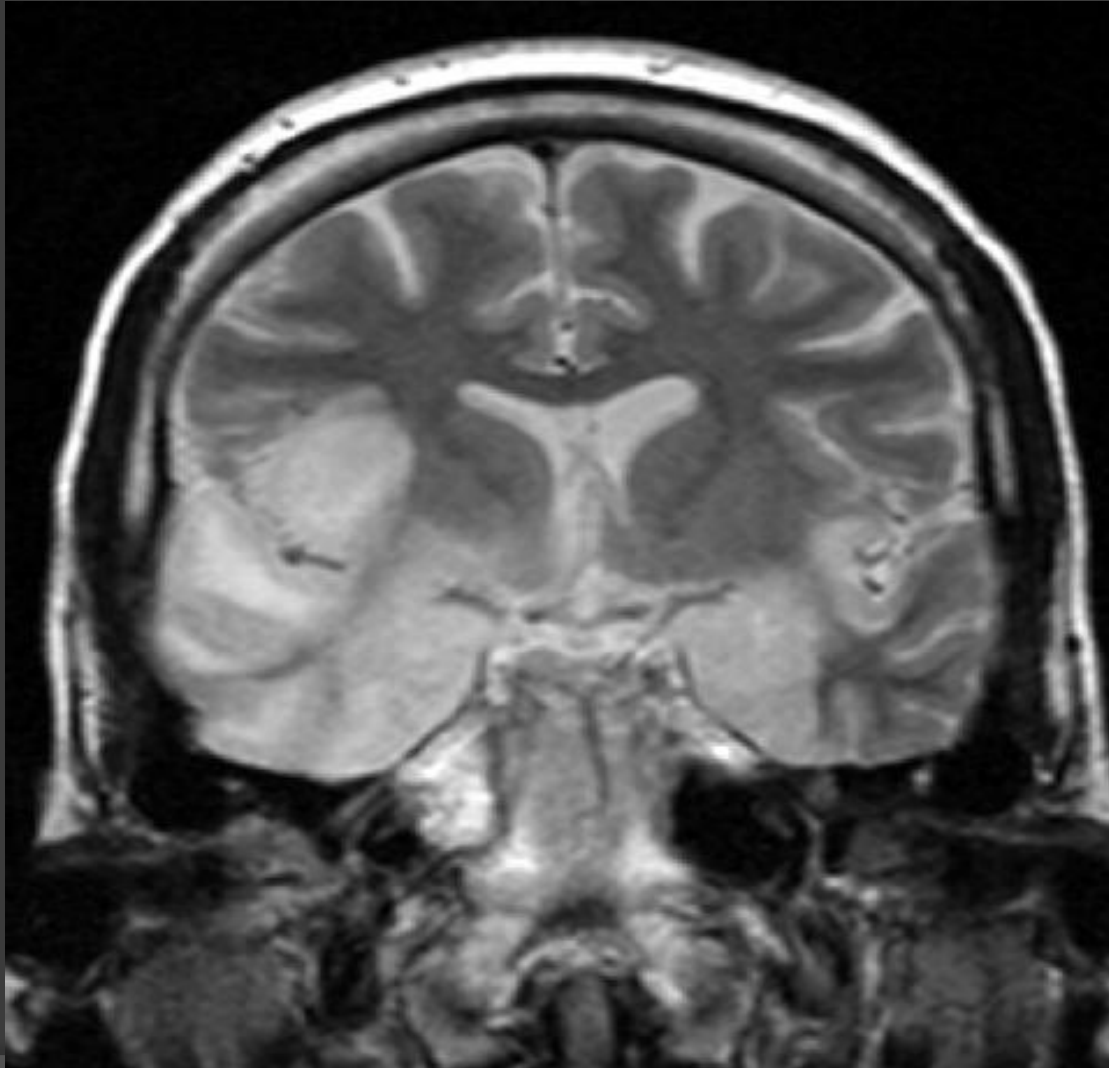


Encephalitis

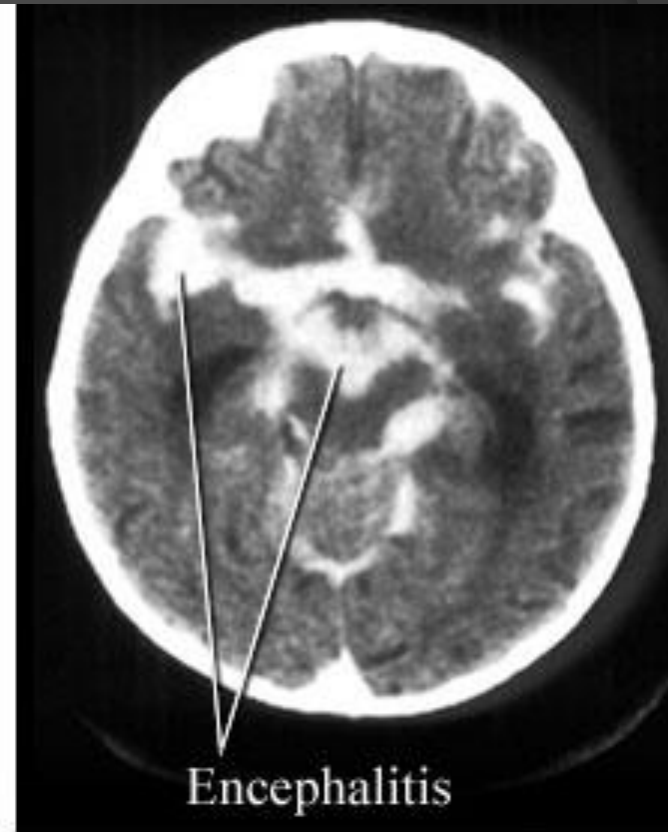


ENCEPHALITIS IS AN ACUTE INFLAMMATION OF THE BRAIN. THE MAJORITY OF CASES ARE CAUSED BY EITHER A VIRAL INFECTION OR THE IMMUNE SYSTEM MISTAKENLY



Normal brain

Figure 1



Encephalitis

Figure 2

The symptoms of encephalitis can range from mild to severe.

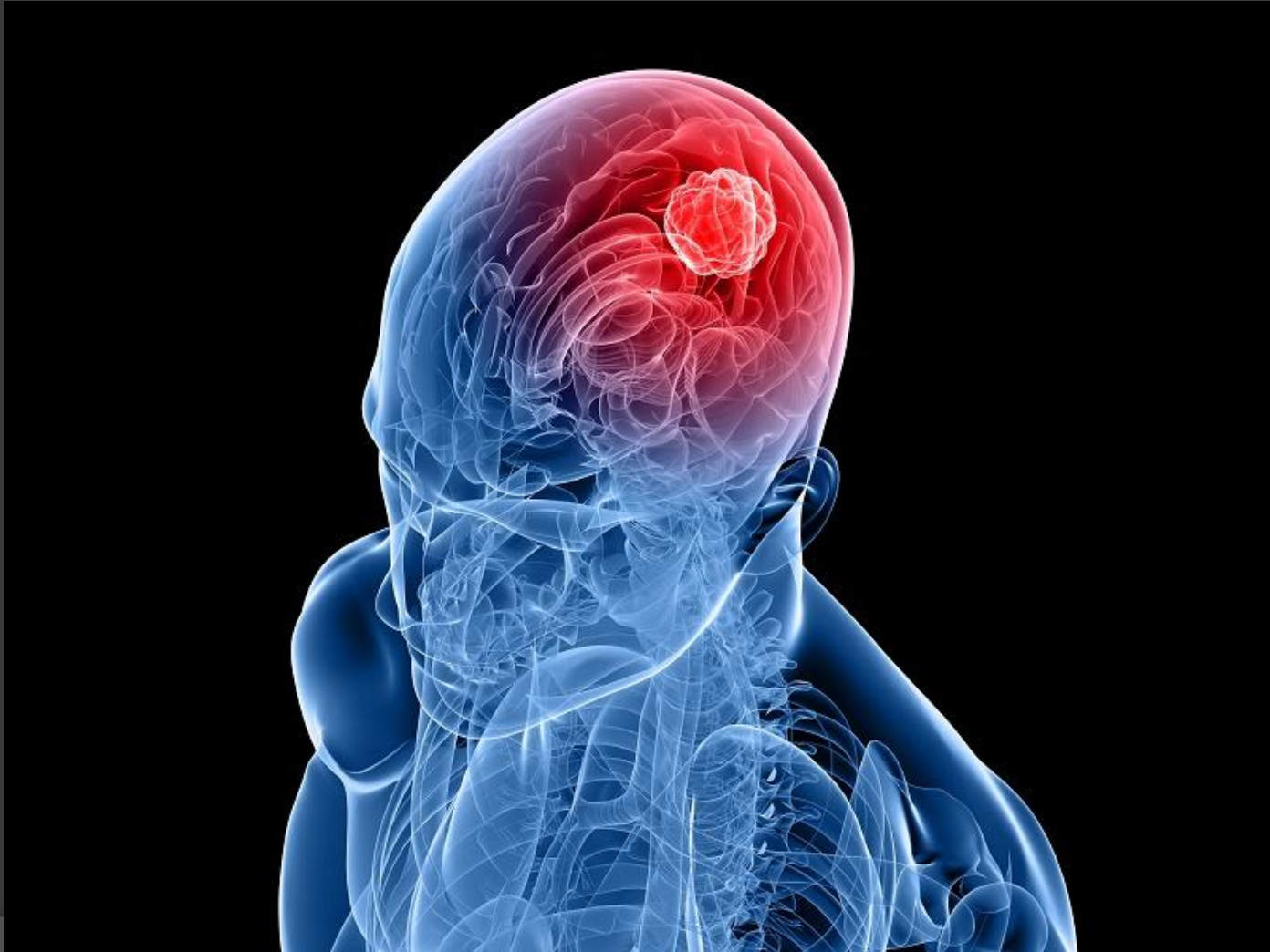
Mild symptoms include:

- ☐ fever
- ☐ headache
- ☐ vomiting
- ☐ stiff neck
- ☐ lethargy (exhaustion)

Severe symptoms include:

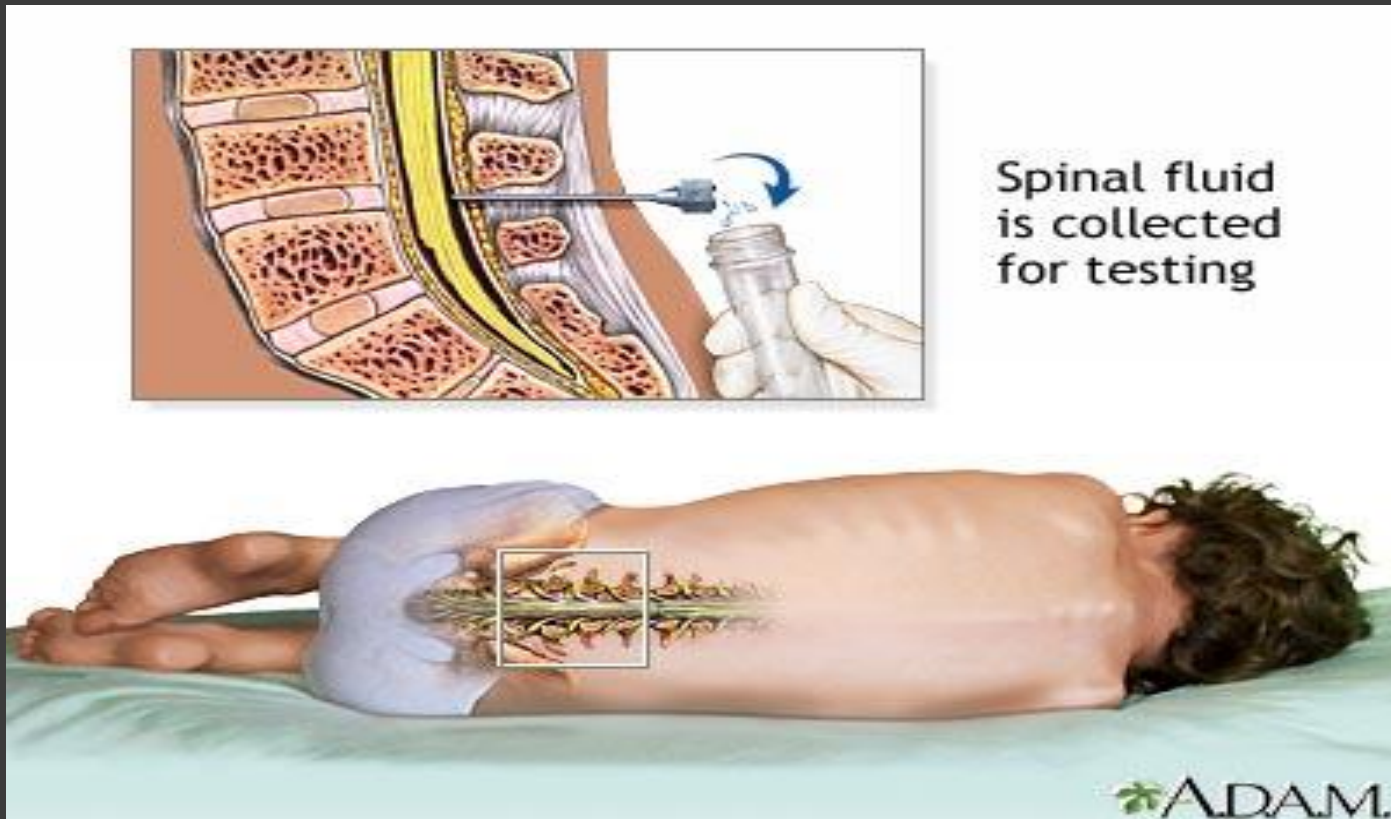
- ☐ very high fever
- ☐ confusion
- ☐ drowsiness
- ☐ hallucinations
- ☐ slower movements
- ☐ coma
- ☐ seizures
- ☐ irritability
- ☐ sensitivity to light
- ☐ unconsciousness

How Is Encephalitis Diagnosed



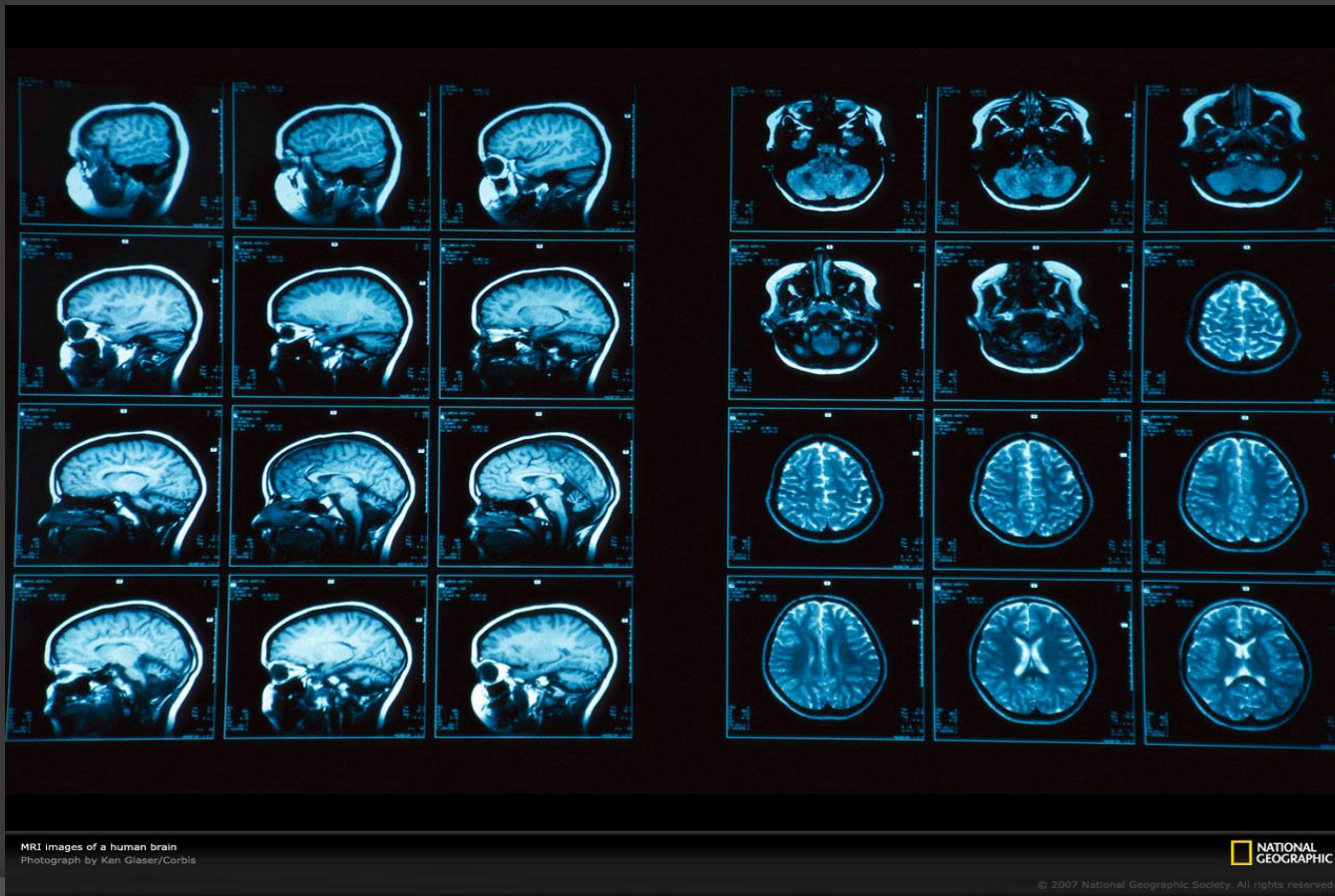
Spinal Tap or Lumbar Puncture

In this test, your doctor will collect a sample of spinal fluid and test it for signs of infection



Brain Imaging with CT Scan or MRI

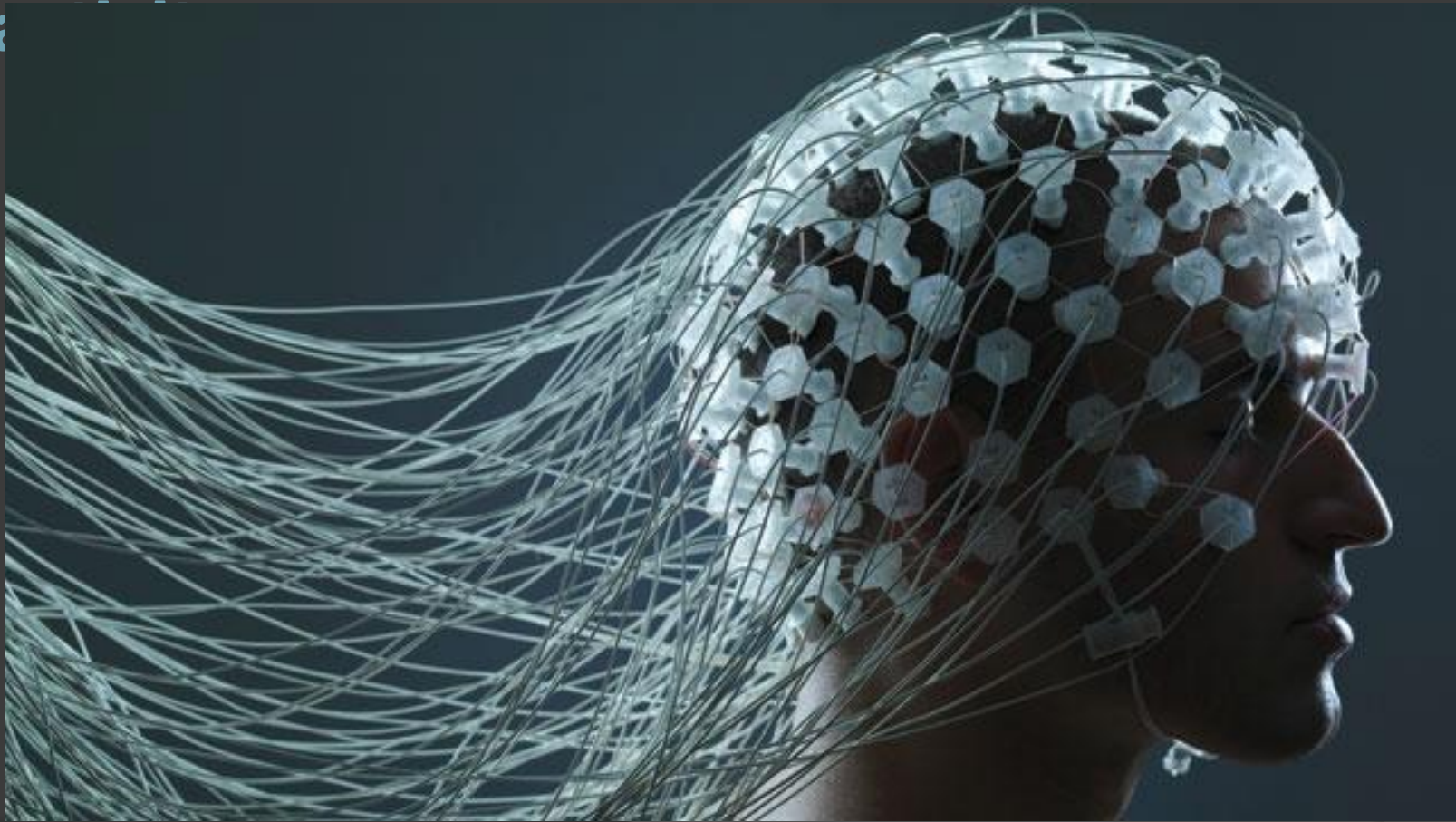
These tests detect changes in brain structure. They can rule out other possible explanations for symptoms, such as a tumor or stroke.



MRI images of a human brain
Photograph by Ken Glaser/Corbis

Electroencephalograph (EEG)

An EEG uses electrodes (small metal discs with wires) attached to the scalp to record brain



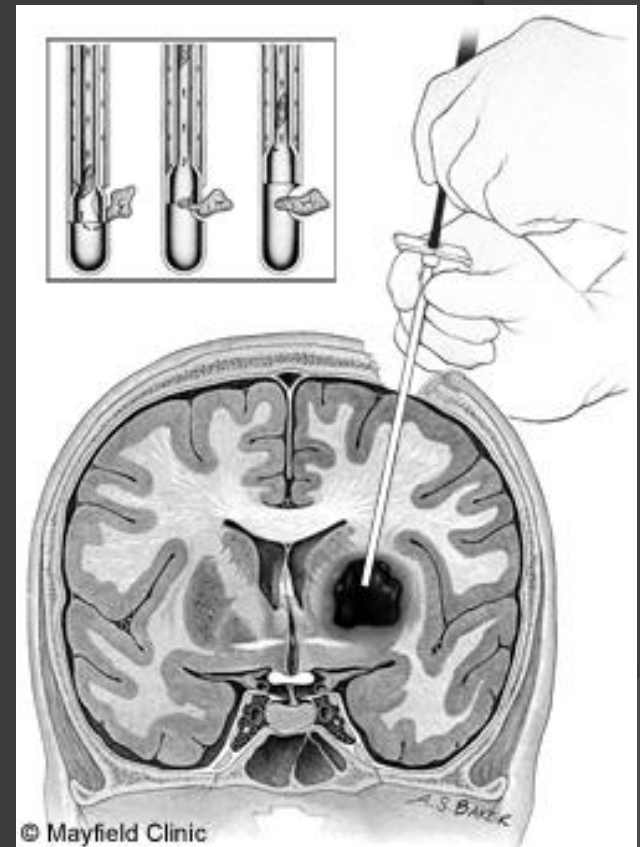
Blood Tests

A blood test can reveal signs of a viral infection.



Brain Biopsy

In a brain biopsy, your doctor will remove small samples of brain tissue to test for infection. This procedure is rarely performed because there's a high risk of complications. It's usually only done if doctors can't determine the cause the brain swelling or if treatment isn't working.



How Is Encephalitis Treated?

Anti-viral medications can help treat herpes encephalitis. However, they aren't effective in treating other forms of encephalitis. Instead, treatment often focuses on relieving symptoms. These treatments may include:

- rest
- pain killers
- corticosteroids (to reduce brain inflammation)
- mechanical ventilation (to help with breathing)
- anticonvulsants (to prevent or stop seizures)
- sedatives (for restlessness, aggressiveness, and irritability)

**Thank you
for attention**