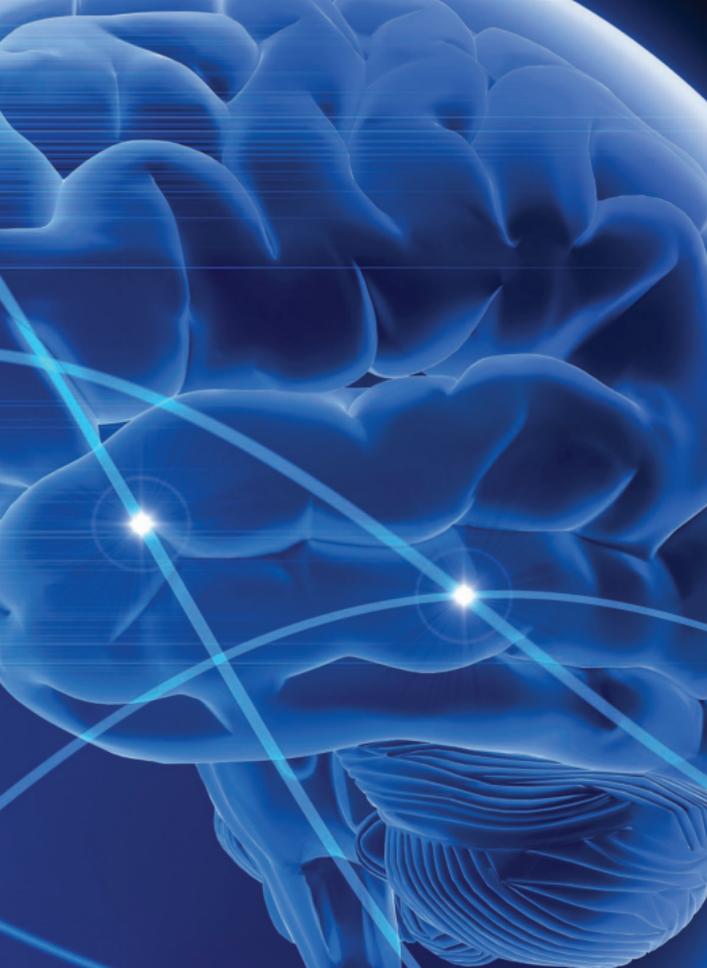


# Neurology



## What is an EEG?

The electroencephalogram (EEG) is a measure of brain waves. It is a readily available test that provides evidence of how the brain functions over time.



# EEG

## The EEG is used in the evaluation of brain disorders.

It is also used to evaluate people who are having problems associated with brain function. Some of these problems might include confusion, coma, and tumors, long term difficulties with thinking or memory, or weakening of the specific parts of the body (such as weakness associated with a stroke).

An EEG can also be used to determine brain death.

Types of EEG's available for Inpatients and Outpatients are: Routine EEG's (Awake/Asleep, Awake/Drowsy,) STAT EEG, Cerebral EEG (Brain Death), Up to 1hour EEG, Ambulatory EEG, Long Term Video Monitoring EEG.

### Why Would a Dr. Order an EEG?

Most EEG's are done to diagnose and monitor seizure disorders. EEG's also can identify causes of other problems such as sleep disorders and changes in behavior. They're sometimes used to evaluate brain activity after a severe head injury or before a heart or liver transplant. Most common reasons to order and EEG are as follows...

- AMS (Altered Mental Status)
- Stroke
- Cardiac Arrest (Hypothermia Protocol)
- Syncope/Collapse
- Head Injury
- Memory Loss
- Brain Death
- Seizure Disorder
- Headache

- Dizziness
- Brain Tumors
- New Onset Seizures
- History of Seizures
- Overdose
- Coma
- Encephalopathy
- Encephalitis

### What is the purpose of an EEG?

An EEG is used to detect problems in the electrical activity of the brain that may be associated with certain brain disorders. The measurements given by an EEG are used to confirm or rule out various conditions.

### What can an EEG reveal?

EEG is a noninvasive test that records electrical patters in your brain. The test is used to help diagnose conditions such as seizure, epilepsy, head injuries, dizziness, headache, brain tumors, sleeping problems, etc. It can also be used to confirm brain death. There are no risks associated with an EEG. The test is painless and safe.

Ordering EEG's while patients are inpatients due to their history or diagnosis will help in early diagnosis for the patient, which will then result in early treatment for the patient as well. The role of the EEG is to help physicians to establish an accurate diagnosis.

50% of inpatients are Neuro patients.



Dictation  
turnaround  
is typically a  
few hours.

*To schedule an  
EEG please call the  
Neurodiagnostic  
department at  
660-6356 from  
8:00am-4:30pm*



# Neurodiagnostics

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