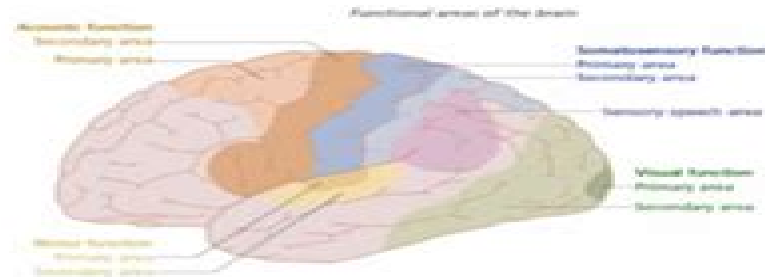




Understanding Epilepsy

What is epilepsy?

Epilepsy is a long-term condition that causes a person to have recurrent seizures. A seizure is a sudden, temporary change in the way the brain works, which can cause a person to lose consciousness, convulse, or experience other symptoms. The exact cause of epilepsy is often unknown, but it can be caused by a variety of factors, including genetic factors, brain injury, infection, or a stroke.

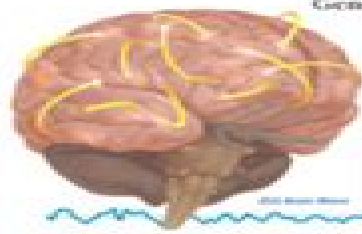


What is an epileptic seizure?

The word "seizure" is derived from the Latin word "seizure," which means "to take possession of." An epileptic seizure is an abnormal, excessive, and synchronized electrical discharge from a group of neurons in the brain.

There are many types of seizures, and they can be caused by a variety of factors. Some seizures are caused by a sudden change in the way the brain works, while others are caused by a long-term condition like epilepsy. The exact cause of a seizure is often unknown, but it can be caused by a variety of factors, including genetic factors, brain injury, infection, or a stroke.

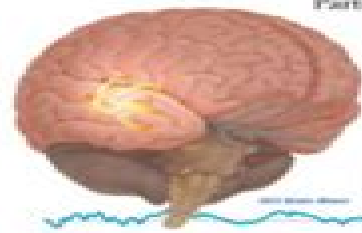
Generalized seizures



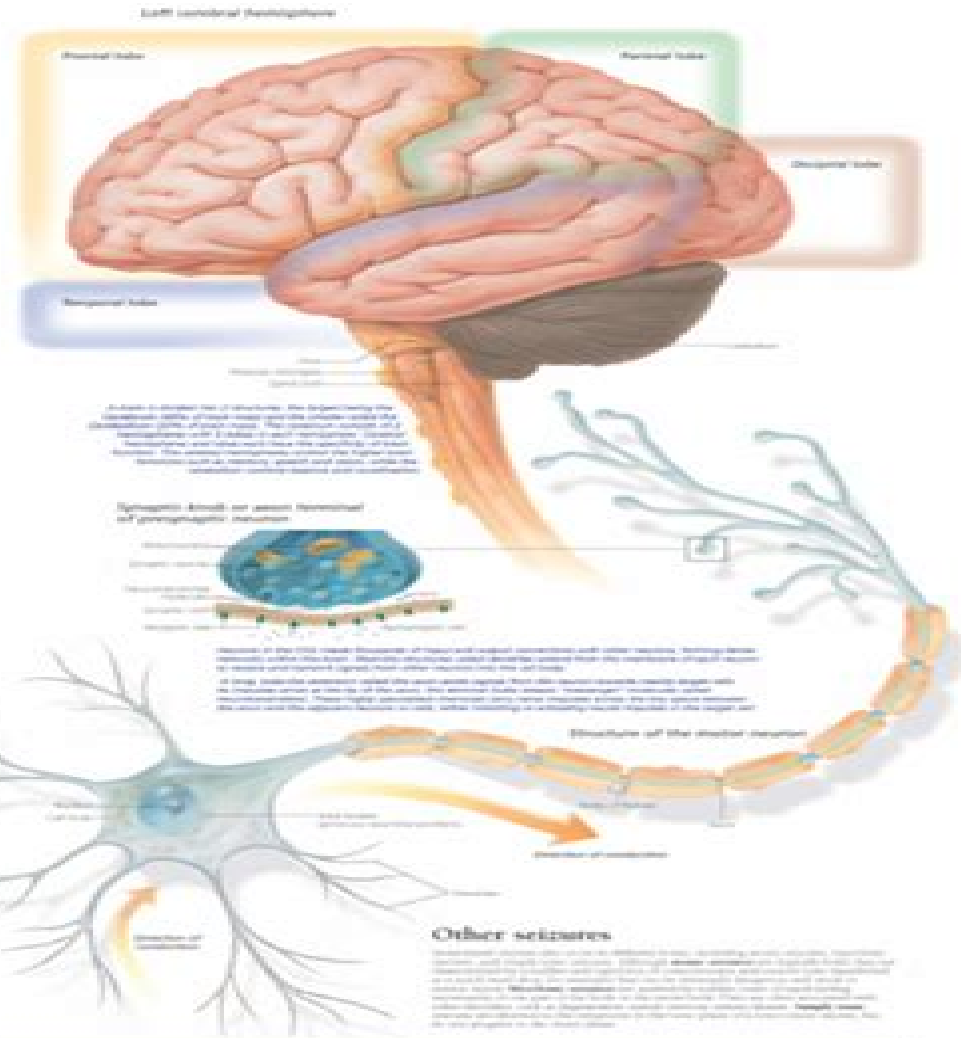
Brain - Grand Mal seizure (Generalized)



Partial (focal) seizures



Complex Partial Seizure



Diagnosing and treating epilepsy

The first step in diagnosing epilepsy is to determine if a person has had two or more unprovoked seizures. If a person has had one seizure, they may not have epilepsy. The next step is to determine the type of seizure and the cause. This is done through a series of tests, including EEG, MRI, and CT scans. Once the cause of the seizure is determined, treatment can be started. Treatment usually involves the use of anti-epileptic drugs (AEDs).

Managing your epilepsy

Managing epilepsy involves taking medication, avoiding triggers, and staying healthy. It is important to take medication as prescribed and to avoid triggers such as stress, fatigue, and alcohol. Staying healthy through exercise and a balanced diet can also help manage epilepsy. Regular medical check-ups are also important to monitor the effectiveness of treatment and to adjust medication if needed.

Epilepsy And Motor System

**Adina T. Michael-Titus, Patricia
Revest, Peter Shortland**



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Presurgical Evaluation of Epileptics Heinz G. Wieser, Christian E. Elger, 2012-12-06 From the 12th to the 15th September 1985 the International Symposium on Methods of Presurgical Evaluation of Epileptic Patients Basics Techniques and Implications for Epileptology and Surgical Epilepsy Therapy was held in Zurich This symposium was a consequence of the increasing recognition by Europeans especially from German speaking countries of a growing need for surgical therapy of epileptics The main aim was to provide a venue for critical review and lively discussion of presurgical evaluation protocols with special emphasis on the electrophysiological aspects including invasive techniques To provide a necessary background some basic aspects along with postsurgical results had to be dealt with by leading experts in the different fields of experimental and clinical epileptology and neurosurgery It was intended to be an international but moderately scaled meeting Finally however in addition to the European contingent there were participants from Australia Brazil Canada Israel Japan Korea and the United States of America including pioneers from the surgically active centers This international discussion was surely facilitated by the close temporal relationship to the International Congresses XIIIth World Congress of Neurology and XVIth Epilepsy International Congress which took place in Hamburg And probably most important is the fact that the Zurich symposium was dedicated to Prof Rudolf Hess and his lifelong devotion to epilepsy diagnosis and treatment in Switzerland as outlined in the Honorary Address by his eminent colleague and personal friend Prof Henri Gastaut

Medical Review of Reviews ,1923 *Invasive Studies of the Human Epileptic Brain* Samden D. Lhatoo, Philippe Kahane, Hans O. Luders, 2018-12-06 Invasive Studies of the Human Epileptic Brain is the definitive reference text on the use of invasive electroencephalographic EEG diagnostic studies in human epilepsy A

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