



**RAMA
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CONVULSION DISORDER



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Definition

convulsion is a medical condition where body muscles contract and relax rapidly and repeatedly, resulting in uncontrolled actions of the body.

Causes

- Unknown.
- Meningitis
- Cerebral palsy
- Head trauma

Other reasons for seizures are these:

- Metabolic disorders
- Drugs
- Medications
- Poisons
- Disordered blood vessels
- Bleeding inside the brain
- Many yet undiscovered problems

Major Types of Seizures

Seizures are classified into two groups:-

1. Generalized seizures

- **Absence seizures**
- **Clonic seizures:**

- **Tonic seizures:**

legs, or trunk tense up. These usually last less than 20 seconds and often happen when you're asleep. But if you're standing up at the time, you can lose your balance and fall.

- **Tonic- clonic seizures**

seizures, can make a person

- Cry out.
- Lose consciousness.
- Fall to the ground.
- Have muscle jerks or spasms.



- The person may feel

2. **Focal seizures** are located in just one area of the brain.

These seizures are also called partial seizures.

- **Simple focal seizures** affect a small part of the brain. These seizures can cause twitching or a change in sensation, such as a strange taste or smell.

- **Complex focal seizures** - epilepsy confused or dazed. The person will be unable to respond to questions or direction for up to a few minutes.
- **Secondary generalized seizures** the brain, but then spread to both sides of the brain. In other words, the person first has a focal seizure, followed by a generalized seizure. Seizures may last as long as a few minutes.

Diagnostic evaluation

- History collection
- Electroencephalogram (EEG)
- Blood test
- MRI
- CT scan

Management

- Find the fever cause (usually viral)
- Treating the fever & promote rest
- Not important to prevent seizure
- ***Physical method-***
 - ✓ Fanning
 - ✓ Light clothing

- ***Drugs-***

- ✓ PCM

- ✓ Ibuprofen

- ✓ Phenytoin-20mg/kg IV over 20 min (in neonate)

- ✓ Lorazepam 0.05-0.10 mg/kg- IV

Management at home

- Move danger away
- Provide left lateral position
- Do not try to stop fitting
- Do not put anything in mouth
- Loosen clothes

- Wipe secretion from mouth
- Do not give fluid or drug orally
- Note timing
- Do not panic
- ***If seizure is more than 5-10 min***
- Seek medical advice
- Diazepam-0.5mg/kg- *Rectal (not in neonate)*
- Midazolam-0.5mg/kg- *Buccal*

THANK YOU