

Observing and Recording Seizures

Good observation and recording of seizures is important to the diagnosis and ongoing management of epilepsy. This guide explains what to look for when observing a seizure.

Seizures present in many ways. However, few doctors see their patients having seizures. A video plus a good eyewitness description from family, friends, caregivers or teachers, can greatly help with identifying the seizure type. Knowing the seizure type will help the doctor in prescribing the most effective treatment.

It is also worthwhile asking the person what they felt or remember about the seizure. For witnesses, it is important to describe as best you can, what you saw the person do before, during and after the seizure.

Seizure stages

Seizures have different stages. It is important to document all stages.

1. Beginning of the seizure (ictal period)

This stage does not happen with all seizures. It is often termed the 'aura' or 'warning' by many people with epilepsy and is known as a focal seizure (with no loss of awareness). This period usually last a few seconds, but can last longer, sometimes several hours.

Some people experience feelings such as numbness or tingling, nausea, 'butterflies' in the stomach, fear, an unusual taste or smell, hallucinations, or déjà vu. There may be a change in mood or behaviour. Often people have trouble describing their 'aura'.

Some people have no warning of an impending seizure, but friends and family may notice subtle changes in the build up to a seizure.

Keeping a diary of seizures can be important in revealing seizure triggers and patterns as well as distinguishing seizure-related behaviour from other behaviours.

Important points to observe and record

1. What was the person doing immediately prior to the seizure?
2. What called your attention to the seizure, e.g. a cry, fall, jerking, staring or head turning?



2. The seizure itself (ictal period)

Seizures can look very different. They can vary from confusion and behavioural changes, to falls or jerking movements. The active phase of most seizures will almost always involve some change in, or loss of, awareness or consciousness. Most seizures will last less than two minutes.

Important points to observe and record:

1. What did the person do during the seizure?
 - What was the first thing you noticed?
 - Any head, eye, limb or body movements?
 - Was the person staring, wandering, mumbling, fidgeting or displaying any unusual behaviour?
 - Did the person appear to be confused?
 - Did they make any sounds?
 - Did they respond when you spoke to them?
 - Did you notice any face colour change such as blushing, blueness or paleness?
 - Did they have blood coming from their mouth (from biting their tongue or cheek)?
 - Did they lose control of their bladder?
2. How long did the seizure last?

When a seizure starts and finishes may not always be obvious, but it is important to document if you can.

- If you are observing a tonic-clonic seizure, record how long it takes from the time the stiffening or jerking starts until it finishes
- If you are observing a focal seizure, record how long the person was unresponsive, or from the time it appears they are having the seizure

3. Period after the seizure (postictal period)

Few people recover straight away after a seizure. It is common to experience a period of confusion, drowsiness, agitation, and possibly speech and coordination problems that can last for a few minutes to occasionally several hours. In rare instances, it can last several days.

The behaviour during this time can be sometimes mistaken for seizure activity. Occasionally people can experience paralysis or psychosis during this period.



Important points to observe and record:

1. How did the person appear after the seizure?
 - Were they drowsy?
 - Did they have difficulties with breathing, speaking, moving or walking?
 - Were they confused or disoriented?
2. How long did it take for them to respond to you?
3. Could they recall anything about the seizure?

What should you do after a seizure?

- Check the person is breathing normally.
- Check the person for any injuries.
- Have someone stay with the person.
- Put them in the recovery position if necessary.
- Note the date and time of the seizure and how long it lasted.
- Record what the person was doing before, during and after the seizure.
- Record what was done to keep the person safe.
- Record any medications given before, during or after the seizure.

Dial 000 for an ambulance if:

- You are in any doubt.
- The person is injured.
- The seizure occurs in water.
- There is food, fluid or vomit in the person's mouth.
- The seizure lasts longer than five minutes or longer than normal for that person.
- The person is non-responsive for more than 5 minutes after the seizure ends.
- Another seizure follows quickly.
- The person has breathing difficulties after the jerking stops.
- The person has diabetes.
- It is the person's first known seizure.



See our [First Aid Section](#) for more information on what to do