

## Neurophysiology

# Home video-telemetry information sheet

### What is home video EEG telemetry?

Home video telemetry (HVT) is an electroencephalography (EEG), or recording of brain activity, that records the brainwaves for a longer time. This can be from 1 to 5 days, depending on the amount of information required.

It can be useful to classify and quantify your events, to pinpoint an area of the brain that is causing seizures, or to obtain a complete recording of one night's sleep.

The recording takes place at home. Being in your home environment can sometimes give a better and more complete recording of your brain patterns.

### Why have I been referred for this test?

The main reason for this test is to record at least one of your typical fits or episodes.

The HVT will provide the doctors with detailed information about your seizure. It provides information on:

- the seizure length
- how your seizure progresses
- what the seizure looks like



## Patient Information

The EEG will provide information how the seizure activity appears in the brain. This will aid your doctor in classifying both your seizure type(s) and epilepsy. This will assist them in refining your future treatment and care plan.

### **What happens during the test?**

The initial appointment is made for you to attend the Neurophysiology department (4<sup>th</sup> floor, opposite ward 42) at UHCW NHS Trust. Here, you will have small discs (electrodes) attached. A return appointment will also be made to have the discs removed and for you to return the equipment.

The test usually runs over 2 to 3 days but may be extended depending on the situation.

The process is similar to a routine EEG which you may have already had. Electrodes are attached to your head with special glue to prevent them from falling off, and additional electrodes will be taped on. The electrodes will stay in place until the tests are complete, including overnight.

These are connected to a small recorder which is placed in a bag, and the electrodes are all taped together to avoid them becoming tangled. The set-up will take at least an hour and a half.

You will then be able to return home. You will be given a diary sheet to complete and record any events or seizures. Please ensure that a detailed description of the event is provided by the patient/witness.

You should continue to take your medications unless instructed otherwise by your referring consultant. You will be given a small case to take home with you which will contain the camera and a tripod. A full demonstration of the equipment will be shown when attending the department for the appointment.

## Patient Information

### **Is there anything special I should do?**

Please check your hair for head lice and treat it before you attend for your appointment. The test will not be performed if head lice are present.

- Your hair must be clean and free from any hair products such as gels, oil, wax, or sprays.
- You must remain in view of the video camera throughout the duration of the recording. The event marker **must** be pressed when you have an event or seizure.
- It is advisable to wear open-collared, wide-necked, loose fitting front buttoned shirts, blouses, or tops. This will make dressing and undressing easier. A cap or loose hat is also advisable.

### **Is there anything I cannot do?**

- It is important that the equipment does not get wet, so you will not be able to shower or take a bath throughout the duration of the recording.
- You cannot brush or comb your hair. If you have long hair, you may wish to loosely plait it to reduce tangles.
- You will not be able to do any vigorous exercise as this may damage the recorder.
- You will not be able to chew chewing gum.

Please look after the recorder, as it is a delicate and expensive piece of equipment. Damages may be charged for.

At your appointment, you will be shown how to set up the camera (and tripod). Please ensure when setting up the camera at home that it is in a safe place away from other children and pets. It is important it is not interfered with whilst it is recording.

### **Are there any aftereffects?**

You will not feel anything during or after the recording. The machine records your normal natural brain activity. It will not make or cause you to have a seizure.

## Patient Information

After the recorder has been removed, great care will be taken to remove as much of the glue as possible. However, you may find small pieces of glue in your hair once you have had a shower or bath and washed your hair. Any excess glue left can be removed with some nail polish remover.

## Consent

We would like to obtain your consent for the procedure. If you decide to go ahead with the test and understand what is involved, you will be asked to sign a consent form.

## When will we get the results?

You will not get any results at the end of your visit. There is a very large amount of data that will need to be reviewed in detail, and then a written report will be sent to the referring consultant. They will give you your results at a follow-up appointment.

The Trust has access to interpreting and translation services. If you need this information in another language or format, please contact the booking centre on 0800 252 060 and they will do their best to meet your needs.

The Trust operates a smoke free policy.

## Did we get it right?

We would like you to tell us what you think about our services. This helps us to make further improvements and to recognise members of staff who provide a good service.

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[www.uhcw.nhs.uk/feedback](http://www.uhcw.nhs.uk/feedback)



### Document History

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