

Neurophysiology Department

Home Video Telemetry EEG Monitoring Information for parents and carers

What is Home Video Telemetry EEG Monitoring?

Home Video Telemetry EEG Monitoring is the simultaneous recording of the activity of the brain and video recording of your child. It is used to help investigate a number of conditions most commonly black outs or frequent seizures. The aim of the test is to capture some of your child's typical episodes which they are experiencing throughout the day or night time.

Will Home Video Telemetry EEG Monitoring hurt my child?

No, as it is a painless test and there are no side effects

What should I expect to happen during this test?

Your child will be monitored, **for a period of one- five days**. This is decided on clinical grounds and will be discussed with you on arrival.

Please ensure your child has clean hair which is free from hair gel etc.

Make sure your child continues with their regular medication unless advised otherwise by your child's Consultant.

The test is performed by the Clinical Physiologist who will explain all aspects of the test thoroughly.

To monitor your child's brain patterns, the EEG electrodes are attached to the scalp with special adhesive. This ensures the electrodes remain in place during day time activities and sleep. We do not shave or cut their hair.

The electrodes are connected to a small recorder which is placed in a bag and worn either around the waist or across the body.

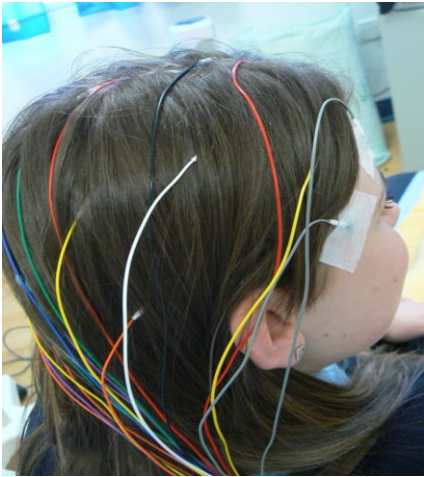
During the procedure, you will be shown how to set up a video camera for use at home. You will be given instructions to take away with you

During set up

Your child can watch a DVD during the set up procedure, which takes approximately 30 - 45 minutes and they can bring in their favourite DVD or Tablet / small hand held toy if you prefer.

If your child is a baby or infant, please bring a bottle with you in case they want a feed. It helps if your child wears a T shirt or a button through top for the duration of the test.

Once set up, the monitoring is carried out at home but **you will need to bring your child back to the department each day** to upload data from the previous 24 hours, to change the battery, and re-attach any loose electrodes if necessary. Each visit takes about 30 - 45 minutes.



Photograph of electrodes attached to patients scalp



Photograph of a recorder placed in bag

Whilst being monitored, your child will be able to attend school or nursery as normal but will not be able to take part in sports or swimming class whilst the electrodes are in place. They will not be able to wash & comb their hair or have a bath/shower.

You will only be able to record the video data at home unless discussed with us otherwise.

At the end of the monitoring period

There are **no after** effects and we remove the electrodes with a solution which dissolves the adhesive.

The Clinical Physiologist cannot give you any results immediately. The test will be reported by the Consultant and you will receive the results at your next clinic appointment.

This leaflet only gives general information. You must always discuss the individual treatment of your child with the appropriate member of staff. Do not rely on this leaflet alone for information about your child's treatment. This information can be made available in other languages and formats if requested.

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