

Home video-EEG telemetry

This leaflet explains about prolonged home video-EEG telemetry. If you have any further questions or concerns about the test or recording period, please contact the department, t: 020 7188 9209, Monday to Friday, 8.30am-5pm to discuss them.

You can find out more by watching our two films about having an EEG in hospital and at home. Please visit [w: www.evelinalondon.nhs.uk](http://www.evelinalondon.nhs.uk) and search 'Having an EEG'.

What is a home video EEG telemetry?

An electroencephalogram (EEG) is a test to record the electrical activity of your child's brain. The nerve cells in the brain produce tiny electrical signals. Recording and checking these can provide doctors with useful information about how your child's brain is working. EEGs can be used to diagnose and monitor seizures disorders, sleep disorders, movement disorders, development and changes in behaviour. These are commonly known as events.

Telemetry is an EEG that records the brainwaves for longer (1-5 days depending on the amount of information needed). It can be helpful to classify and quantify your child's events, to pinpoint an area of the brain that is causing seizures or to obtain a complete recording of one night of sleep.

Why does my child need a home video EEG test?

Being at home can sometimes give a better and more complete recording of your child's brain patterns.

What happens during the test?

The initial appointment is for your child to attend the Puffin EEG Department (1st Floor) to have small discs (electrodes) attached and a return appointment to have them removed and to return the equipment. The test usually runs over two to three days.

This process is similar to a routine EEG which your child may have already had. Small discs (electrodes) are attached to your child's head with adhesive to prevent them from falling off and additional electrodes will be taped to each arm. The electrodes will stay in place until the tests are complete, including overnight.

These are then connected to a small recorder which is worn in a bag around the waist and is the size of a small hand-held games console. This will take about an hour and a half to set up.

You and your child will then be able to return home. You will be given a diary for you to complete and record any events or seizures. You should continue to give your child any medicines they take regularly. We will give you a large briefcase to take home that contains the camera and tripod. We are able to arrange transport to take you home and for your return appointment. Full instructions and demonstration of the equipment will be given when attending the department for the appointment.

It is important that the equipment **does not get wet**, please do not allow your child to shower or bathe during monitoring.

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

You will be shown how to pack the camera away for its return to the department.

Your child will need to be off school and stay at home for the duration of this test.

Consent - asking for your consent

We want to involve you in decisions about your child's care and treatment. If you decide to go ahead, you will be asked to sign a consent form. This states that you agree for your child to have the treatment and you understand what it involves.

If you would like more information about our consent process, please speak to a member of staff caring for you.

When will we get the results?

The results of the test need to be analysed and a full report will be sent to the doctor who asked for the test within three weeks. The doctor should arrange with you when and how you will receive the results.

Is there anything we need to do to prepare?

Your child's hair must be clean and free from any hair products such as gels, oil, wax or sprays. It is important that your child wears loose, easy to remove clothing preferably a top that front fastens. If they don't, it will not be possible to change their top until the equipment is removed. A cap, hat or a coat with a hood is also advisable.

Contact us

If you have any questions or concerns about please contact the department,
t: 020 7188 9209, Monday to Friday, 8.30am-5pm.

For more information leaflets on conditions, procedures, treatments and services offered at our hospitals, please visit **w:** www.evelinalondon.nhs.uk/leaflets

Evelina London Medicines Helpline

If you have any questions or concerns about your child's medicines, please speak to the staff caring for them or contact our helpline.

t: 020 7188 3003, Monday to Friday, 10am-5pm **e:** letstalkmedicines@gstt.nhs.uk

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