

Home video-EEG telemetry

This leaflet explains about prolonged home video-EEG telemetry. If you have any questions or concerns about the test or recording period, please contact the department, tel: 020 7188 9209, Monday to Friday, 8.30am to 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 [web: www.evelinalondon.nhs.uk](http://www.evelinalondon.nhs.uk) and search 'Having an EEG'.

What is a home video EEG telemetry?

An EEG (electroencephalogram) 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 give doctors useful information about how your child's brain is working. EEGs can be used to diagnose and monitor seizure 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 to 5 days depending on the amount of information needed). It helps us to understand your child's events, and to pinpoint an area of the brain that is causing seizures or to obtain a complete recording of one night of sleep.

Why does your 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?

Your child will come to the Puffin EEG Department (1st Floor) to have electrodes (small discs) attached. The test usually runs over 2 to 3 days. After the test, we will arrange to collect the equipment from your home/preferred address.

This process is similar to a routine EEG which your child might have already had. Electrodes are attached to your child's head, with tape and bandages to prevent them from falling off, and more electrodes will be taped to each arm. The electrodes will stay in place until the test is complete, including overnight.

The electrodes are connected to a small recorder, which is placed in a bag or small backpack. This can be worn around the waist or across the body. The setup will take about 90 minutes.

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

It is important that the equipment **does not get wet**. Please do not let your child 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 while 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 you get the results?

The results of the test need to be analysed, and a full report will be sent within 3 weeks to the doctor who asked for the test. The doctor should arrange with you when and how you will receive the results.

Is there anything you 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, you will not be able 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 us, **tel:** 020 7188 9209, Monday to Friday, 8.30am to 5pm.

For more information leaflets on conditions, procedures, treatments and services offered at our hospitals, please visit **web:** 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.

tel: 020 7188 3003, Monday to Friday, 10am to 5pm **email:** letstalkmedicines@gstt.nhs.uk

Your comments and concerns

For advice, support or to raise a concern, contact our Patient Advice and Liaison Service (PALS), **tel:** 020 7188 8801, **email:** pals@gstt.nhs.uk. To make a complaint, contact the complaints department, **tel:** 020 7188 3514, **email:** complaints2@gstt.nhs.uk

Language and accessible support services

If you need an interpreter or information about your care in a different language or format, please get in touch, **tel:** 020 7188 8815, **email:** languagesupport@gstt.nhs.uk

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