

What is long-term video EEG monitoring (LTM)?

Long-term video EEG monitoring is a study that uses an EEG (electroencephalogram) to look at your child's brain waves over a long period of time. For this test, your child is admitted to the hospital and, depending on the goals of the study, may stay 1 night or more if needed. LTM EEGs help your provider get a more complete picture of your child's condition.

How do I schedule the test?

Our EEG scheduler will call you to schedule this test. LTM admissions are usually scheduled Monday through Friday at specific times (10:00 AM or 1:00 PM).

There are some spots for admissions on Saturdays and Sundays. If your child is scheduled for a weekend admission, the admitting office will call you when the room is ready for you to arrive. Please be ready to come to the hospital as soon as you receive the phone call.

What happens during an LTM EEG?

The process for getting hooked up for an LTM EEG is very similar to the process for an outpatient EEG, with a few differences.

- A specially trained EEG technologist will place the electrodes and set up the required EEG equipment. This will take about 60 minutes from start to finish. Your child's hair does **not** need to be cut or shaved.
- Your child will be asked to lie down on a stretcher or bed.

- Your child's head and body need to be completely still when the electrodes are placed. You may be asked to help your child stay still so the process can go as quickly and easily as possible. If your child is 4 years or younger and still moves too much, their body may be wrapped snugly so that the electrode application can be completed.
- Your child's head will be measured with a measuring tape.
- The EEG technologist will mark 30 locations on your child's head with a grease pen.
- The EEG technologist will rub a sandy cleanser on the places where the electrodes will attach before putting them on, which helps them stay in place.
- Small circular-shaped electrodes will be placed on your child's scalp.
- Your child's head will be wrapped in gauze.
- The electrodes are connected to a small EEG machine that is carried in a small backpack.
- You and your child will go into a hospital room where the special monitoring equipment will be used. Note: At times, you may need to wait in the EEG lab until a hospital bed is available.
- The EEG staff will explain the EEG push button, video camera equipment, and your important role in keeping a record of your child's seizure episodes.
- You will be given an event log to write down the time and details of events when they occur. This information will help the doctor read and interpret the computer data to make an accurate report.

Who do I contact with questions?

If you have questions or need to cancel or reschedule the study prior to your child's test date, please call the EEG laboratory at (734) 232-9271, option #2, Monday through Friday, 8:00 AM - 5:00 PM.

In the event of a cancellation or rescheduling, please let us know as soon as possible so we can get you rescheduled in a timely matter.

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