



**ROUTINE EEG,
AMBULATORY
EXTENDED
EEG, AND
VIDEO EEG
SERVICES**

Ambulatory EEG Recordings, LLC
10325 N. Port Washington Rd.
Suite 150
Mequon, WI 53092
Office: 262 241-1701
Fax: 262 241-1801
Toll Free 866 682-4700
E-mail: info@aereeg.com
www.aereeg.com

**PEDIATRIC
PATIENT
GUIDE FOR
PARENTS**

www.aereeg.com

PARTNERSHIP

Your pediatrician and Ambulatory EEG Recordings (AER) have come together to provide quality, convenient, cost effective, EEG services for children in the your area. Local access to these services minimizes the need to travel to major metropolitan areas or have your child admitted as an inpatient to long term monitoring care centers for evaluation. AER 's interpreting pediatric neurologist is a recognized epileptologist and EEG expert . AER employs only board registered technologists.

WHY AN EEG?

A physician will typically order an EEG when a child experiences a seizure or a spell, when there is an unclear diagnosis or has questions regarding the elimination of medications. The frequency of seizures in children is quite high (3 in 10). Children pose a challenge to physicians when they experience these episodes. Our test allows them to be tested right at home.

SCHEDULING AN APPOINTMENT

Routine EEG's and **Extended EEG's** ordered will be faxed to AER's office. AER scheduling personnel will contact you within 2 days to establish a convenient time for your child to have the study done. The study can still be set-up locally at a clinic, our office (routine EEG's) or your residence.

PREPARATION FOR AN EEG

Prior to your child's EEG, it is important that his/her hair be very clean, having used no conditioners, oils sprays or gels. For extended studies your child should also wear a blouse or shirt

that buttons or zippers so that you do not have pull anything over your child's head.

ROUTINE EEG

A routine EEG may be ordered for your child. With a routine EEG, we will apply 21 electrodes to your child's scalp. The electrodes will plug into a recorder that will monitor the brain waves for a short period of time. The entire procedure will take about an hour to an hour and a half. The procedure is not painful, but your child will be required to be still.

EXTENDED AMBULATORY EEG

Your physician may require more information than a routine EEG may be able to provide. It can be difficult to capture an "event" during the short time period of a routine EEG, as seizures and spells are often intermittent in nature. 75% of seizures or spells occur at night. In order to capture these events or to monitor the discontinuation of medication, your physician may order an extended EEG for your child. Extended EEG's may be done as an overnight study or until an event occurs. Physicians will typically order these studies as overnight, 24 hours, 48 hours, 72 hours, 7 days or until an event occurs.

EXTENDED VIDEO EEG STUDIES

Sometimes your physician will request a video EEG study. A video EEG study uses a camera as well as the EEG computer. This allows the reading physician to see how the patient presents by synchronized monitoring of both the patients' brainwaves and physical activity. With extended studies, he/she will be set-up with the equipment in the same manner described previously, we will wrap the

head to secure the electrodes and send your child home with a small recorder which they will wear around their waist. They will be able to move around your residence or in some cases go to school, but his/her activity should not be too physical. The technologist will provide you with directions on how to disconnect your child from the equipment and how the equipment should be returned. For those children with studies that will run longer than 3 days, we will need to make arrangements with you, so that we may check the electrodes to be sure that they have remained properly attached to your child's scalp.

WHAT HAPPENS TO THE DATA?

The data from the study will be either sent to your child's physician to read, be read by another physician or our medical director at your physicians' request. The EEG recording will be delivered to the interpreting physician within 2 to 3 days after completion of the study. Your physician may interpret the test immediately or just prior to the next visit. If the study is read by AER's medical director, a copy will be faxed to your pediatrician and a hard copy will follow by mail.

BILLING

You may receive either one or two bills for the performance of the study and for the reading of the study. You will always receive a bill from AER for performing the study. You will also receive a bill from the reading physician. If your physician requests that AER's medical director read the study, this will be listed on AER's bill and you will only receive one bill for the entire study.

Please call us with any other questions. Thank you.