

Preparing for a video-EEG

What you need to know for your child

At Randall Children's Hospital at Legacy Emanuel, we believe that parents and families are the most important members of a child's care team. We encourage you to be a partner in your child's care.

Your child has been scheduled to have a video-EEG. The EEG will record brain waves and behavior. EEGs are used to learn more information about seizures, and they most often require an overnight stay.

For the procedure, an EEG technologist will place electrodes on your child's head with glue, using a small air blower to dry the glue quickly. The technologist may wrap your child's hair in gauze to help keep the electrodes in place.

A movable camera will record your child's behavior. You will press a special button when your child has a behavior suspected to be a seizure. The technologist will show you how to press the button, and will also have you keep a log of any seizures that you see during the test.

Your child should wear comfortable clothing, including a shirt that can completely open with buttons or a zipper. Your child may wear pajamas. Hospital gowns are also available, if you prefer.

Your child should also bring favorite toys and games. Electronic devices, such as hand-held video games, smartphones and tablets that run off battery, are OK but must not be used when plugged in as they interfere with equipment. The technologist will help calm and distract your child while the electrodes are being placed.



A special crayon is used to mark the electrode sites.



Electrodes are secured with tape or gauze.

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After the electrodes are secured, your child will be able to engage in many normal activities within the room. The electrode pack can be carried in a shoulder pouch or backpack. A family member must stay with your child. We will provide meals for your child and one other person. There is a pull-out bed in the room for family members.

Once we remove the electrodes, there will be some glue and gel left in your child's hair. It may take several washings to completely remove the glue and gel. We recommend using a hair conditioner or cream rinse. Baby oil and mayonnaise are also helpful in breaking down the glue.

A pediatric neurologist will visit you and your child during the hospital stay. This doctor may not be your regular neurologist. However, your own neurologist will contact you once they have reviewed the study.

Scheduling and arriving

Please call 503-413-7265 to schedule your child's EEG.

On the date of your study, you will check in at the admitting desk, in the main lobby of Randall Children's Hospital.

Our address is 2801 N. Gantenbein Ave., Portland, OR 97227.

While in the hospital

- Please wash or sanitize your hands when entering and leaving the room.
- Make sure the bed rails or crib rails are raised at all times.
- Wash bottles or toys that are dropped on the floor.
- "It's OK to ask" about anything that may concern you.
- As a parent, you know your child better than anyone. Please let us know any nicknames or special routines. Partner with your child's care team to identify comforting techniques for your child. Ask how to personalize your child's room.
- Tell your child that we are here to help. Children often do not know why they are in the hospital. Explain that hospital staff might wear special clothes or masks.
- Our building has free Wi-Fi.
- Please respect the rights and privacy of others.
- Live plants and latex balloons are not allowed.



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