



Paediatric Epilepsy Monitoring Unit (PEMU)

It is essential you call the Admitting Department at (519) 685-8500, extension 55744 at 9:30 on the morning of the probable admission date to ensure a bed is available and to receive instructions for the admission. Please be at the hospital for 12:30 P.M. and register at B2-100 Patient Admitting & Registration.



In an effort to decrease the spread of unnecessary infections, you are to call us if you think your child is ill near or on the day of admission.

What is the Paediatric Epilepsy Monitoring Unit (PEMU)?

- The PEMU is where your child is admitted to the hospital to have a prolonged-Video EEG
- This test helps us understand better the events your child is having; it allows us to see what is happening with the video, record the brain waves on a computer, and to hear what is happening with the microphones.
- Your child is monitored by our trained team of nurses, EEG technicians, and neurologists.
- This test may take several days, anywhere from 1 day up to 1 week.



How do we prepare?

- Wash your child's hair before coming to the hospital. Please do not use any conditioner or gel, as this may cause the electrodes not to stick.
- Bring tops that have buttons or a zipper in the front to accommodate the EEG leads.
- Bring comfort items, games, toys, and electronics to keep your child busy during their stay. Internet and TV is available in the room.
- Meals will be provided for the child. There is a pantry with a fridge, microwave and toaster available for the accompanying adult.
- **We will call you if any medication changes need to be made.**

What happens while my child is in the hospital?

- After you register your child on B2 you will be directed to the EEG department where an EEG technician will attach electrodes to your child's head with a paste and secure them with a bandage. The leads are then attached to a small computer (head box) that is portable and your child will carry it around in a small pouch.
- The EEG tech will assist you and your child to the EMU bed on B6-200 where instructions on using the seizure trigger device and how to record any events will be provided.
- Once the recording begins your child will need to stay in their room with the video camera and microphones that are attached to the EEG machine.
- A doctor from the neurology team will admit your child and answer any questions as best as possible.
- The healthcare team will respond to any seizures or other medical events, following the safety plans that are in place.
- Your child will be able to behave as usual, eat, sleep, and play. Your child can have sponge baths only and should stay in view of the camera at all times except when using the washroom.

One parent or caregiver must stay with your child at all times. Only one caregiver can stay at the bedside.

We will have a bed available in the room for you to sleep on and the Ronald McDonald house on the inpatient floor has facilities available for use (shower, kitchen, etc.).

How is the Prolonged Video EEG Analyzed?

This is a complex test that will take time for the Epileptologist to interpret. We will share your child's test results at your next follow up appointment.

Questions?

Call the Paediatric
Neurology Office at:
(519) 685-8332