

# Welcome to the Paediatric Epilepsy Monitoring Unit (PEMU)



Children's Hospital, London Health Sciences Centre



## The PEMU is where you:

- Come to the hospital and get connected with special wires from your head to a computer with a video camera and microphone
- Stay in the hospital where doctors will learn more about how your brain works

**This special test is called an EEG  
(el-ect-ro-en-cef-a-lo-gram)**

**Can you say that 3 times fast?!**



# Meet Ellie!

Let's follow along with  
Ellie as she comes to  
stay at the PEMU.

She has some great  
tips and games for you  
as well!



# You can play a few games as you go with Ellie on your adventure!

**Where is Ollie?**

Ollie is our clown at Children's Hospital!

Keep your eyes peeled for Ollie!



**There is a fun word search & I Spy game!**



# Before Ellie comes to the hospital she packs her bag! It is important to bring:



- Button down or zippered tops so you can change shirts while the EEG leads are on
- Your favourite games, books and toys
- Any electronics or movies you would like to use
- You can bring your own blanket and pillow if you would like

The hospital will need Ellie's mom (or caregiver) to stay with her the whole time. She will need to pack a bag as well! The Ronald McDonald room in the hospital on B6-200 has a shower, kitchen and other household items that mom can use 😊

(The Ronald McDonald House next to the hospital can be booked for other family members if you live out of town.)

There is a menu offered to Ellie at the PEMU. She will have breakfast, lunch, dinner and some snacks everyday! Ellie may also bring her own snacks. There is a shared pantry on the floor with a fridge, microwave and toaster that family can use! Highchairs are available for little ones 😊

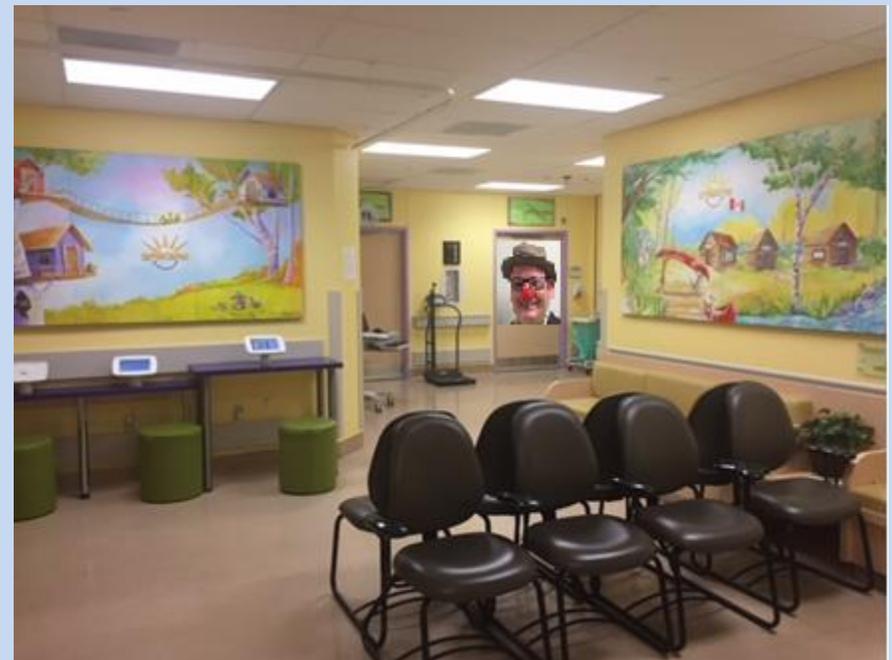


**When Ellie and her mom arrive at the hospital they can park in the parking garage.**

**The walkway from the parking garage on the 2<sup>nd</sup> level will take them right to the Patient Registration & Admitting desk on the 2<sup>nd</sup> floor of Zone B to check in!**

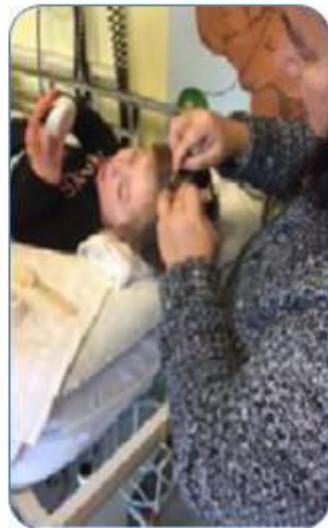


**After Ellie registers she will be sent to the EEG waiting room just around the corner on Zone B Level 2**



**There are some fun computers in here to play on while you wait!**

## Next an EEG Technician will connect Ellie to the EEG monitor



The EEG tech will measure your head using a measuring tape



They will then use a special glue to attach the leads to your head



These leads are then connected to a computer



And a gauze bandage is wrapped around your head so that the leads stay in place

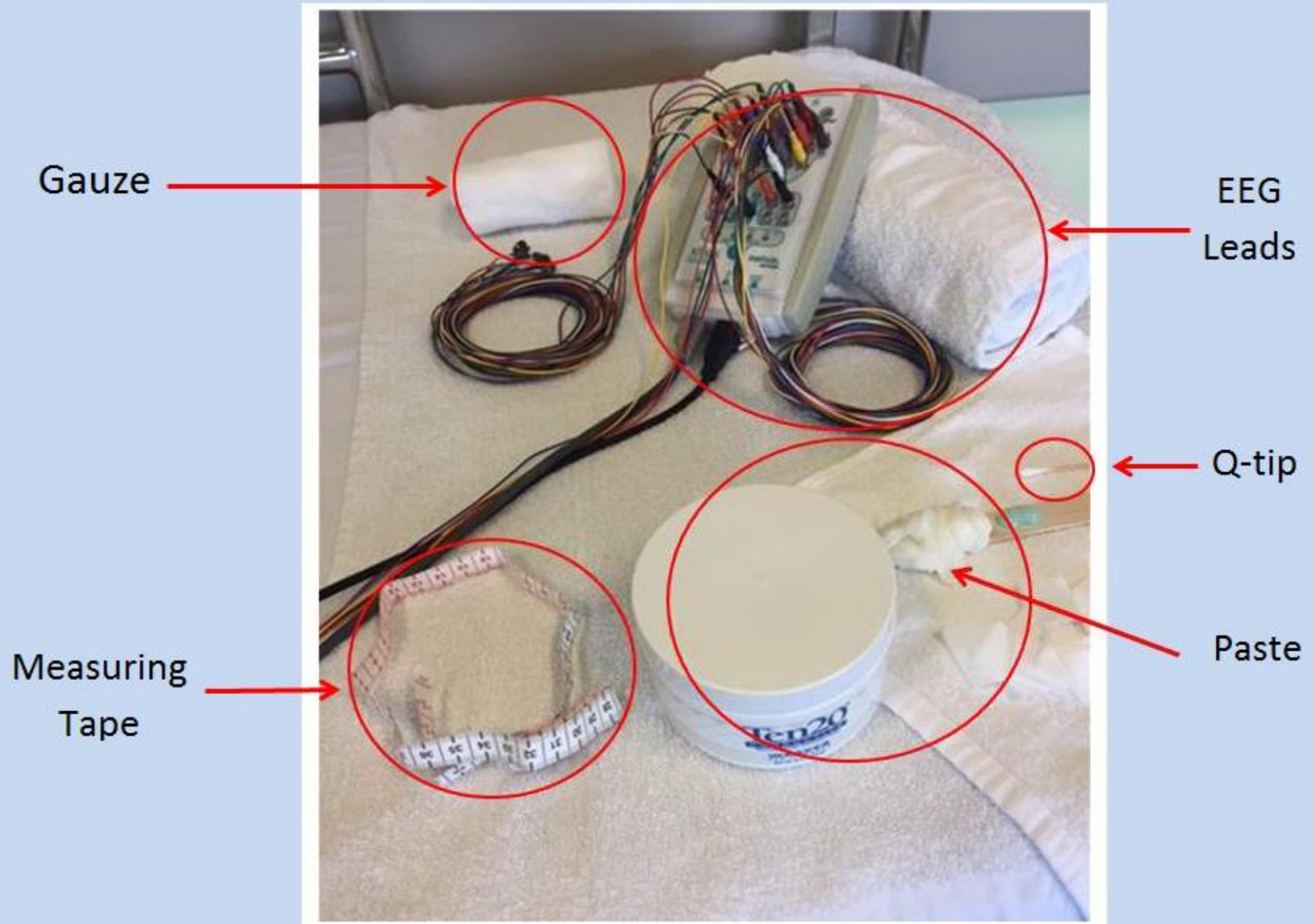


Let's play I spy with my  
little eye!



Can you find the?

- Measuring tape
- Special paste
- EEG Leads
- Gauze
- Q-tip



# The EEG Tech will then take Ellie to her PEMU bed on B6-200



You may be sharing your room with another kid 😊  
There is only enough room for 1 parent to stay at night



**Ellie carries her EEG computer in a little pack around her shoulders!**

**Even though she has to stay on the bed most of the time so the camera can watch her, the pack lets her move around if she needs to!**



# What can Ellie do in her room?

**Play with toys or games!**



**Watch TV or Use electronics**



**Draw, Paint or do Arts & Crafts!**

The hospital has lots of games and crafts  
that Ellie can borrow 😊



# This is Ellie's PEMU team!



# What Happens to Ellie During Her Stay?

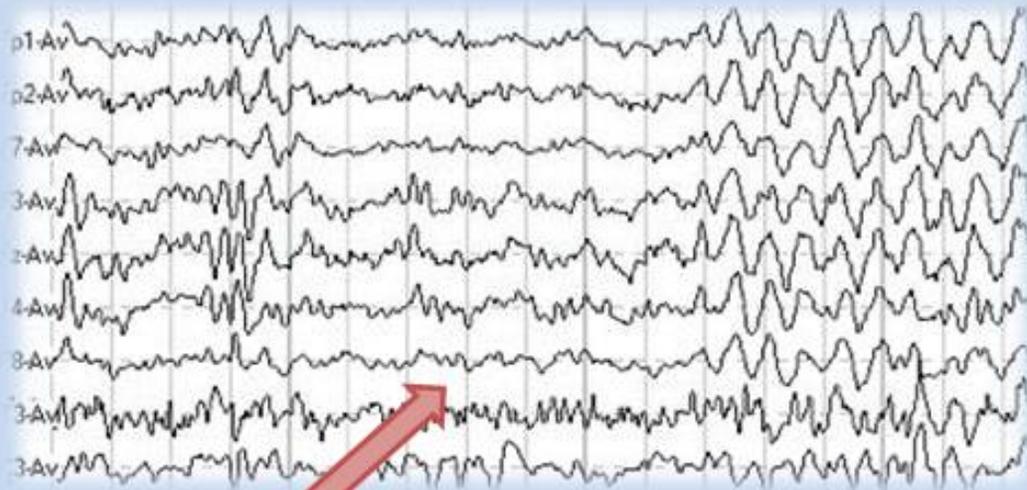
- The nurse will check in with Ellie by checking her temperature, her blood pressure (how strong your heart is) and her oxygen level (the air you are breathing).

**NONE of these things will hurt.**

Please ask your nurse any questions that you have 😊



- One of the doctors will stop by to see how Ellie is doing and may look at how her EEG test is going.



HOW COOL! This is what your brain waves look  
like

# If Ellie's parent or caregiver thinks she is having a seizure they need to:

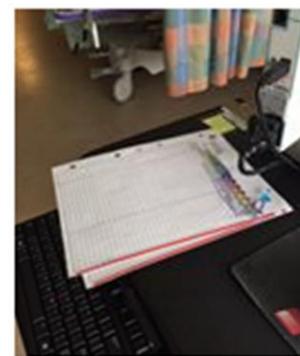
**Press the seizure button**



**Make sure that Ellie is in view of the video camera**



**Write down what happens (time, what it looks like etc.)**



**Remove any blankets for the camera**



**Press Nurse Call bell if needed**



**Keep Calm 😊**



There is a VERY SMALL risk that Ellie could have a seizure that lasts over 5 minutes. This is called **'Status Epilepticus'**. The healthcare team will respond to any of these seizures by ordering special medication for Ellie. This medication can be given in the vein or as a pill.



# Ollie, Michelle & Erika stopped by to visit Ellie as well



A childlife specialist is someone who can help explain what is happening and keep you busy with fun activities while you are in the paediatric EMU!

Michelle & Erika: The Childlife Specialists



Ollie: The Therapeutic Clown

Ollie is here to tell you jokes, help you pull some pranks, and do magic tricks!



## Going Home!

Ellie may want to take a shower and wash her hair to get out all the left over pieces of tape and paste.



When Ellie's test is all done, the doctor will come and let her know that she can go home! Then, at her next follow up appointment she will find out how her test went 😊





**Remember, the neurology team will call you if a change needs to be made to your medications before you come in**

**Please call the hospital if your seizures are under control to cancel the appointment**



**Thank You and Have a Great  
Stay at our PEMU!**

# Try Our EMU **W**OR**d** **S**e**A**R**C**h

D I F O M S D H W G K H  
C H D D Y D O C T O R M  
J M D G E H A G C J Z U  
N I W Q N U R S E N A V  
D C A M E R A K Q K M R  
R R Y E K W K F P D Q L  
B O L L I E E G M K C E  
R P T S J E L N S D G A  
A H N U X H Y N I S Q D  
I O P I L O O C R I F S  
N N Q Z M J O L Y Z V K  
T E P D A C T B N E O F

EEG  
NURSE  
BRAIN  
LEADS  
CAMERA  
DOCTOR  
MICROPHONE  
OLLIE

## Did you find them all?

D I F O M S D H W G K H  
C H D D Y D O C T O R M  
J M D G E H A G C J Z U  
N I W Q N U R S E N A V  
D C A M E R A K Q K M R  
R R Y E K W K F P D Q L  
B O L L I E E G M K C E  
R P T S J E L N S D G A  
A H N U X H Y N I S Q D  
I O P I L O O C R I F S  
N N Q Z M J O L Y Z V K  
T E P D A C T B N E O F

EEG  
NURSE  
BRAIN  
LEADS  
CAMERA  
DOCTOR  
MICROPHONE  
OLLIE