Visual Electrophysiology Unit (VEU) Services

Multi-Focal Electroretinogram (mfERG)

**Time: 1 h**

**Eye-Drops:** Yes

### Please Bring:
- Your glasses or prescription
- Sunglasses or hat
- Your health card

### During Test:
- *No contact lenses*
- *No cellphones or electronics*

**Purpose:**
The mfERG maps out how the center of your eye is working in normal lighting with a large pattern

**Procedure:**

**Pre- mfERG (40 minutes)**
1. History, eye exam, and colour vision testing
2. 3+ drops for each eye, to open the pupils
3. 20 min wait before patient is moved to the testing room

**mfERG Setup (5-10 minutes)**
1. An electrode is taped to the center of your forehead and at the outside corner of your eyes with some gel, after cleaning with cream
2. You will be given 1 drop
3. A string-electrode is put across the eyes, with a sticker at each corner of the eye

**mfERG Testing (10-20 minutes)**
4. You will be looking at a large screen with your head straight on a headrest.
5. The test is recorded 30s at a time
   a. During the 30s, you have to stare at the middle of the screen without blinking while the pattern quickly changes.
   b. When the pattern stops, you can rest until you are ready for the next 30s
6. The test only ends when there is a total of 10 minutes recorded.
7. When finished, the gel is cleaned and the patient can leave

**Note:**
- Keeping the head and eyes straight and not blinking is important for this test
- 1-2 people can keep the patient company during the test
- No driving after being given eye drops
- If there is more than 1 test booked in VEU, they will be done together
- Test results take time and will be sent to the referring physician in 3-6 weeks

**Cancel/Reschedule:** 48 H notice
weeks

1 contact lenses must be removed before testing