SickKids

Ophthalmology & Vision Sciences

Visual Electrophysiology Unit (VEU) Services

For your appointment

Please bring:



- Health card
- Eye glasses or prescription
- Sunglasses or hat
- Snacks

Do not:



- Wear contact lenses
- Drive after testing

Important Information:



- Cellphone use is not acceptable during testing. Cellphone use can interfere with test recordings and impact test results.
- Please provide 48 h notice of any cancellation/reschedule request. Please use MyChart to view your appointments and E-Check In.
- If there is more than 1 test booked in VEU, they will be done together; combined tests can take up to 3 hours.
- Test results take time to review and will be sent to the referring physician in 3-6 weeks. Test results are not uploaded to MyChart



For any testing related questions, please contact: visualelectrophysiology.unit@sickkids.ca

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Full-field Stimulus Threshold (FST)

The FST is used to measure the sensitivity limit to different flashes of light, after being adjusted to the dark.

1.5 hrs testing

Eye drops given

Pre-FST (20 minutes)

1. Eye history, eye exam, and colour vision testing
2. 3+ drops for each eye, to open the pupils

FST Setup (45 minutes)

1. The patient is seated in the testing room.
2. Both eyes are patched and the patient adapts to the dark for 45 minutes
3. Before testing, the patient is given a button-box with 2 buttons, to use during the test. One button must be pressed every time there is a sound (beep) or vibration.
    a. Press the right button for “Yes” - if you *see* a flash
    b. Press the left button for “No” - if you *do not see* a flash



Button Box

FST Testing (20 minutes)

1. Each eye is tested separately. The eye not being tested stays covered with patches
2. The patient must place their chin on the chin rest and look into a bowl for the test, with their hand(s) on the button-box
3. 3 types of flashes are tested more than 2 times, each
    a. The patient must press ‘yes’ or ‘no’ to every flash until the test ends
4. When all flashes are tested in both eyes, the patient can continue with their next appointments or leave



Testing bowl