

Terveys- ja sairaanhoitopalvelut
Diagnostiikkakeskus
Neurophysiology Examination Unit

14.6.2023

Electroretinography (ERG)

Purpose of the examination

Electroretinography is an examination of the functions of the retina. Common reasons for performing this examination include visual impairment, suspected macular degeneration or investigation of hereditary eye diseases.

Preparing for the examination

You should reserve about two hours for the examination. As your pupils will be dilated, you may experience problems with glare after the examination, and your visual acuity may be impaired for a few hours. This is why you should bring a pair of sunglasses with you and avoid driving a car for a few hours after the examination.

Performing the examination

To start with, eye drops will be applied to numb the surface of your eyes and dilate your pupils. After that, thin thread electrodes will be placed on the surface of your eyes, or adhesive electrodes will be attached to the skin of your eyelids. The examination is painless, but the electrodes may feel slightly unpleasant. You will stay in a dark room for half an hour before the examination begins. Then you will be asked to look at a focal point during single flashes of light.

After the examination

As the surface of your eyes will be numb, you should avoid rubbing your eyes. Your eyes may be a little red and watery after the examination, but this will usually go away on its own. However, if you experience major redness and pain in your eyes, please contact your local health centre.

The doctor will prepare a statement on the ERG examination, which will then be submitted to the unit that requested the examination. They will

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later give you information about the examination results and any further action required.

Place of the examination

The Neurophysiology Examination Unit is located on the second floor of Building Y, above the main entrance of Building Y and the Info Y desk (elevators 41 and 42).

The unit is open during office hours, tel. 06 4154723.

Please note! A fine may be charged for research time that is not either cancelled or used.

Website of the unit:

<http://www.hyvaep.fi/palvelu/neurofysiologia/>

Welcome!