

Electroencephalography

Electroencephalography (EEG) is a test for recording the brain's electrical activities. It is used to diagnose certain disorders affecting the brain such as epilepsy, encephalitis, tumours and stroke etc. Electrodes are attached to the scalp, through which impulses from the brain are transmitted, magnified and visualized as brain wave patterns on the EEG machine.

Preparation

- To help the sensors stick onto the scalp more easily, please wash your hair with shampoo the day before the EEG test. No hairspray, gel, wax or oil should be applied after shampoo.
- Unless told otherwise, you can eat, drink and take your medication as usual.
- For children, parents or guardian please bring along a bottle of milk, nipple, water, juice or toys.
- Sleep is discouraged before the test to facilitate a spontaneous sleep recording.
- Some children may require sedation to prevent crying and restlessness.
- Please consult the doctor if there is any inquiry.

Procedure

- The client's hair and scalp is cleaned to remove sebum and dirt.
- A specially made cap / electrodes with an even layer of electrode paste are attached to the scalp and connected to the EEG machine. No shock / stimuli are produced by the electrodes.
- The client is instructed to be seated calmly on a chair, close his / her eyes and relax fully during the test.
- During the test, the client's may be asked to open and close his / her eyes, look at a flashing light and breathe deeply for a few minutes.
- The test takes approximately 30 – 45 minutes.

Post-procedure care

- Under normal circumstances, the client can be discharged after the test. For those who are given sedatives, they can leave after the healthcare staff has ascertained that their conditions are fit for discharge.
- The result of the test will be given to the attending doctor. Questions/queries on the test results can be raised at subsequent consultation appointments.
- There may be a small amount of electrode paste residue on the scalp. They can be removed with shampoo easily.
- Please consult the doctor if there are any inquiries.

Produced by Union Hospital

The above information is for reference only, please enquire your doctor for details
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