

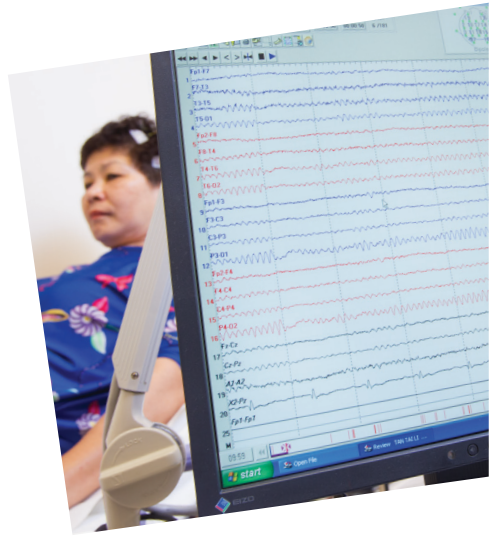
Electroencephalography (EEG)



The Neurodiagnostic Laboratory provides a comprehensive range of diagnostic investigations to help doctors in the evaluation, diagnosis and treatment of epilepsy, stroke, neuromuscular and neurological diseases. Neurology services are also provided at the Specialist Outpatient Clinics, Emergency Department, Intensive Care Unit and as an inpatient service.

What is the purpose of the test?

An EEG can record changes in brain activity patterns. This is the main diagnostic test for epilepsy, evaluating the state of the brain and for monitoring purposes.



What is the test about?

Electroencephalography (EEG) is a neurophysiology test which analyses the electrical activity generated by the brain. Special sensors (metal disc electrodes) are attached onto the head and hooked by wires to a computer. Common reasons for referral include:

- Seizures
- Encephalopathies (disease of the brain)

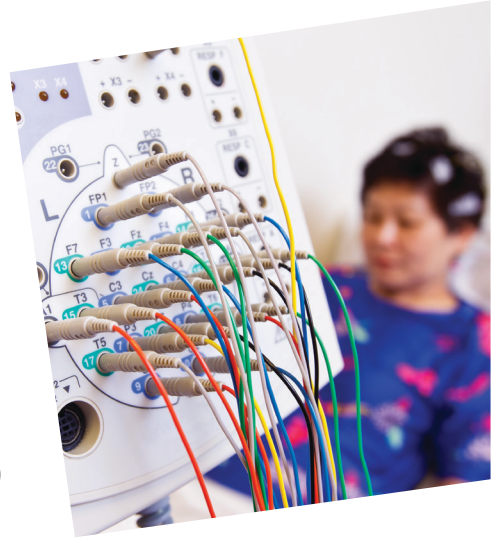
* EEG can also be performed as part of the investigations of some patients with syncope. Syncope, also known as fainting in medical terms, is defined as a transient loss of consciousness and postural tone, characterised by rapid onset, short duration and spontaneous recovery due to low blood flow to the brain usually because of low blood pressure.

Before the test

- You do not need to fast and can take a light meal.
- Wash your hair the night before the procedure.
- Do not apply oil, lotion, cream or gel on your head.
- Continue with your current medication unless otherwise instructed.

During the test

- A neurophysiology technologist will place some surface electrodes (small metal discs) on your head. Try to relax, close your eyes and sleep if possible.
- At times, you may be asked to open and close your eyes, and breathe rapidly for a few minutes.
- The procedure will take about 45 minutes to an hour.
- You will feel no pain.



Is the test safe? Are there any side effects?

The test is generally safe and there are no side effects.

When will I know the results?

A team of neurologists will review and interpret the studies. Your referring physician will inform you of your test results during your next appointment.

Notes:

For more information

Ng Teng Fong General Hospital and Jurong Community Hospital

1 Jurong East St 21, Singapore 609606

www.ntfgh.com.sg | www.jch.com.sg

Clinic opening hours

Monday – Friday: 8.30am – 5.30pm

Saturday: 8.30am – 12.30pm (Selected clinics only*)

Dental Clinic: Monday – Thursday: 8.00am – 5.30pm, Friday: 8.00am – 5.00pm

*Please refer to our websites for more details.

General enquiries & appointments

General enquiries line: 6908 2222 (24-hr)

Fax: 6716 5500 | Email: contactus@nuhs.edu.sg

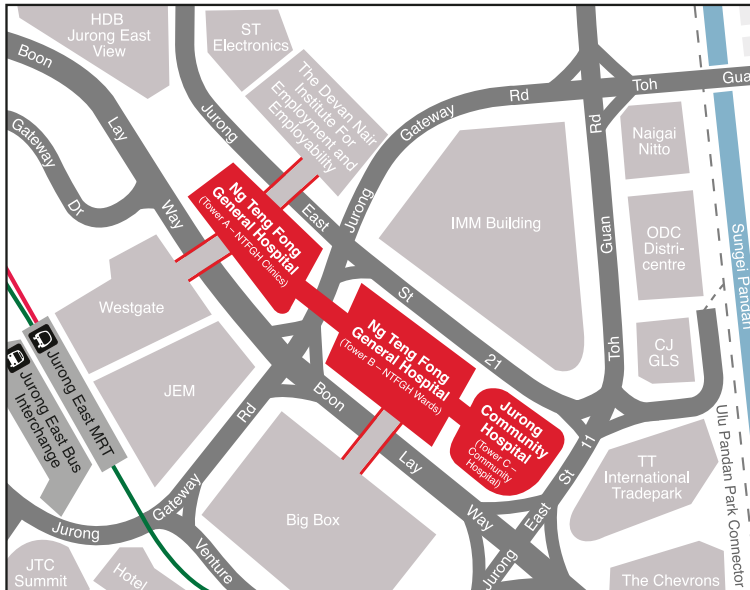
Appointment line: 6908 2222 (Monday – Friday: 8.00am – 5.30pm, Saturday: 8.00am – 12.30pm)

Fax: 6716 2200 | Email: appointment@nuhs.edu.sg

Dental appointment line: 6716 2233 (Monday – Friday: 8.00am – 5.30pm)

Fax: 6716 2200 | Email: JHCampus_Dental@nuhs.edu.sg

Getting there



By train

Alight at Jurong East MRT Station

By bus

Jurong East Bus Interchange

41, 49, 51, 52, 66, 66B, 78, 78A, 79, 79A, 97, 97E, 98, 98M, 105, 143, 143M, 160, 160A, 160M, 183, 183B, 197, 333, 334, 335, 506

Along Boon Lay Way

49, 99, 333, Private bus service 625, 990

Disclaimer:

The information in this brochure is meant for educational purposes and should not be used as a substitute for medical diagnosis or treatment. Please seek your doctor's advice before starting any treatment or if you have any questions related to your health, physical fitness or medical condition. Information is accurate at the time of printing.