

# Repetitive Nerve Stimulation (RNS)



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?

The test is performed:

- When there is a possible diagnosis of neuromuscular disorder.
- To evaluate the electric response of the nerve or muscle which the nerve is attached to.
- To determine if the nerve impulse is conducting normally, at a slow speed or not transmitting at all, suggesting damage to the nerve.



## What is the test about?

Repetitive nerve stimulation tests are a special type of nerve conduction study. A brief series of small electrical shocks is applied to a nerve. This electrical stimulation is delivered to the nerve repeatedly for a few seconds and the responses are recorded from the muscle supplied by that nerve. The study is generally performed before and after a brief exercise of the muscle.

### Before the test

- There is no need to fast.
- Do not apply any cream, oil, lotion or moisturiser on your body.
- Wear loose-fitting clothes to allow easy examination of your hands and legs.
- If you are on anticholinesterase medication, check with your doctor if you can take them on the day of the test.



### **During the test**

- A neurophysiology technologist will place some electrodes (metal disc plates) on your skin.
- You may experience some discomfort when the electric current passes through your nerves.
- The study is generally performed before and after brief exercise/facilitation of the muscle.
- Multiple responses will be recorded.
- The procedure will take about 30 minutes.

## **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 doctor will inform you of your test results during your next appointment.

## For more information

### Ng Teng Fong General Hospital and Jurong Community Hospital

1 Jurong East St 21, Singapore 609606

[www.ntfgh.com.sg](http://www.ntfgh.com.sg) | [www.jch.com.sg](http://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](mailto:contactus@nuhs.edu.sg)

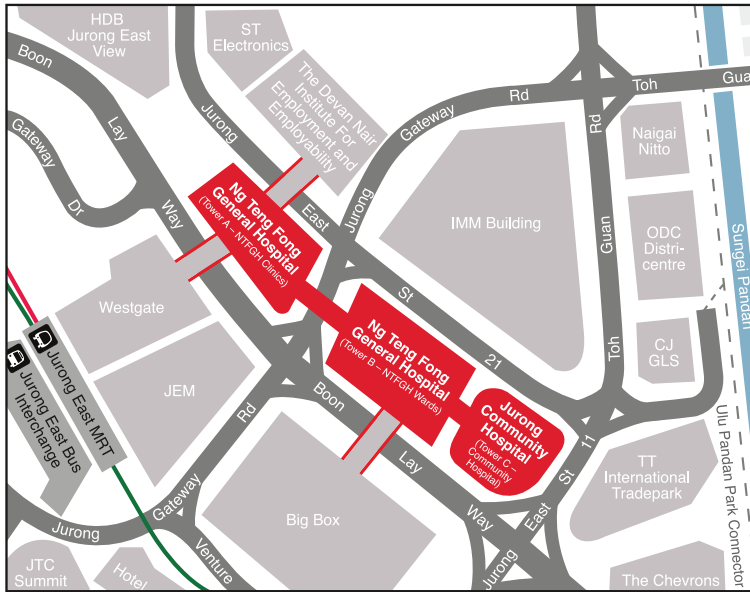
Appointment line: 6908 2222 (Monday – Friday: 8.00am – 5.30pm, Saturday: 8.00am – 12.30pm)

Fax: 6716 2200 | Email: [appointment@nuhs.edu.sg](mailto:appointment@nuhs.edu.sg)

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

Fax: 6716 2200 | Email: [JHCampus\\_Dental@nuhs.edu.sg](mailto: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.