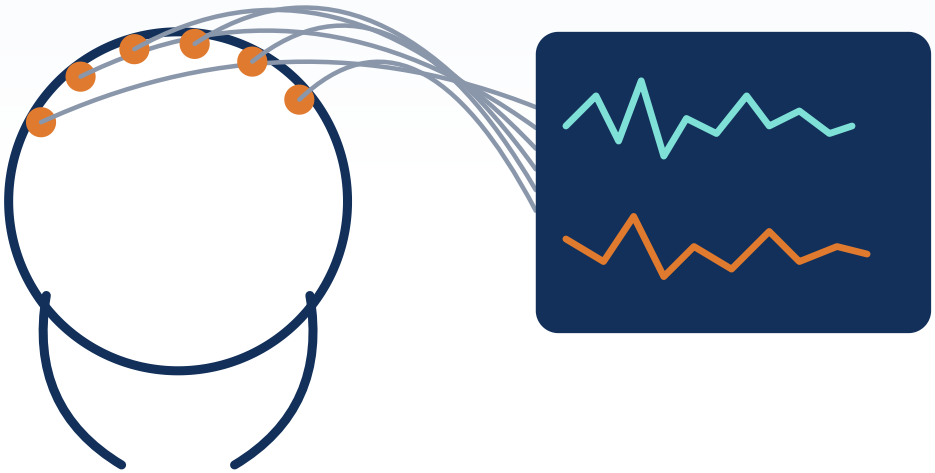
Brain and nerve tests explained simply

What Is That Test?



Dr Anand Diwan

Consultant Neurologist · Adults & Children
Brain, spine, nerve & muscle specialist

MBBS, DNB (Neurology) · MMC Reg. No. 88279

Narayani Hospital **0253 2224411**
Dr Anand Diwan Neurology Clinic **0253 2472111**

Scan to book your appointment

Conditions treated at our clinic

- Epilepsy and seizures (fits)
- Stroke and paralysis
- Migraine and frequent headache
- Vertigo, giddiness, loss of balance
- Parkinson's disease, tremor, slowness
- Memory loss, dementia
- Neck and back pain, sciatica, spondylosis
- Numbness, tingling, nerve pain (neuropathy)
- Muscle weakness (myopathy)
- Head injury after an accident
- Sleep problems
- Children: seizures, developmental delay, slow walking or talking

Tests at Narayani Hospital, under one roof

EEG · Video EEG · EMG / NCS · VEP · BERA · VNG (vertigo test) · CT brain · CSF test · All blood tests

Not everyone needs tests. When they are needed, Dr Diwan explains which ones and why.

Not everyone needs tests

Your doctor decides tests after talking to you and examining you. Each test answers a different question. Here is what to expect.

EEG (electroencephalogram)

Records the brain's electrical activity through small metal discs placed on the scalp. Painless; about 30–45 minutes. Used for fits and blank spells.

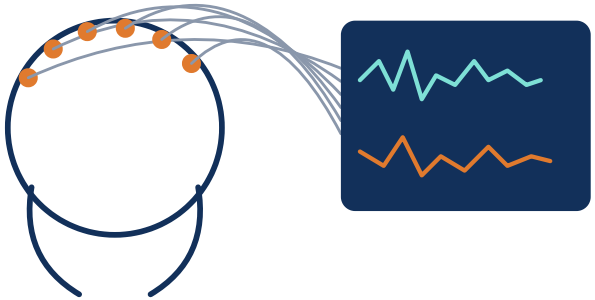
Before an EEG

Come with freshly washed, **oil-free** hair. Take medicines as usual unless told otherwise. Sometimes you are asked to sleep less the night before.

Video EEG

EEG recorded with video for several hours or days, to catch an attack as it happens.

Nerve and muscle tests



NCS (nerve conduction study)

Small electric pulses on the skin check how fast nerves carry messages. Feels like brief tapping or tingling. 20–45 minutes.

EMG (electromyography)

A very fine needle records muscle activity. Slight discomfort only.

Used for

Tingling, numbness, nerve pain, weakness, carpal tunnel, sciatica, muscle disease.

Eye, ear and balance tests

VEP (visual evoked potential)

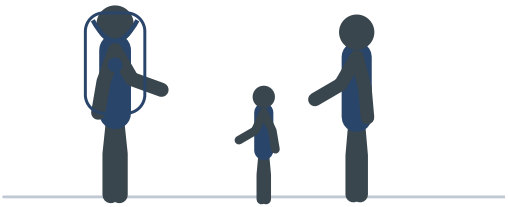
You watch a moving checkerboard on a screen; wires on the head record the brain's response. Wear your glasses. Painless.

BERA (brainstem evoked response audiometry)

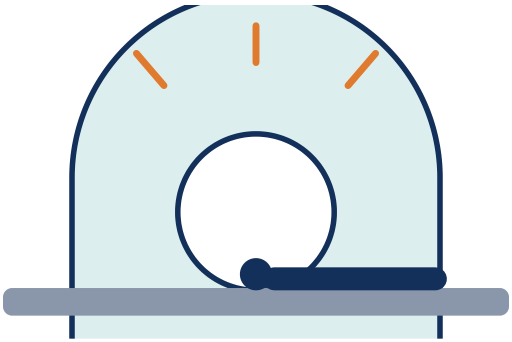
Clicks through earphones test the hearing pathway. Babies can be tested while asleep.

VNG (video nystagmography)

Goggles record eye movements to find the cause of vertigo. Avoid heavy meals before; some medicines may be stopped for a day – ask when booking.



Scans



CT scan

X-ray pictures of the brain in a few minutes. Best for bleeding, stroke and injury in an emergency. Tell staff if you might be pregnant.

MRI scan

Uses a strong magnet, no X-rays. 20–45 minutes inside a tunnel with loud knocking sounds. Remove all metal. Tell the staff about pacemakers, implants or fear of closed spaces.

Other tests and a checklist

Lumbar puncture (CSF test)

A thin needle in the lower back, after numbing the skin, takes a little spinal fluid. Lie down for some time afterwards.

Blood tests

B12, thyroid, sugar, vitamin D, drug levels and others as needed.

Bring with you

- Old reports, scans (with CDs) and prescriptions
- List of current medicines
- A family member for long tests or if sedation is planned

Appointments

Monday to Saturday · Closed on Sundays

Narayani Hospital

Consultation, tests & admission

Shree Vallabh Nagar, behind Chaan Hotel, near Mumbai Naka, Nashik 422009

Consult 11 am – 3 pm · Tests 10 am – 5 pm

Hospital open 24 hours for emergencies

0253 2224411

Dr Anand Diwan Neurology Clinic

Evening consultation

11 Yashika Plaza, near Satyam Sweet, Govind Nagar, Nashik 422009

Consult 6 pm – 8 pm

0253 2472111

Scan to book your appointment

Or book on WhatsApp

83900 00385 · 93702 54026

WhatsApp is for booking appointments only.

narayanihospitalfrontdesk@gmail.com

www.diwanneurology.com

Read more online

Dr Anand Diwan · MBBS, DCH, DNB (Pediatrics), DNB (Neurology), PGDDN · MMC Reg. No. 88279

This booklet gives general information and does not replace medical advice. In an emergency, go to the nearest hospital.