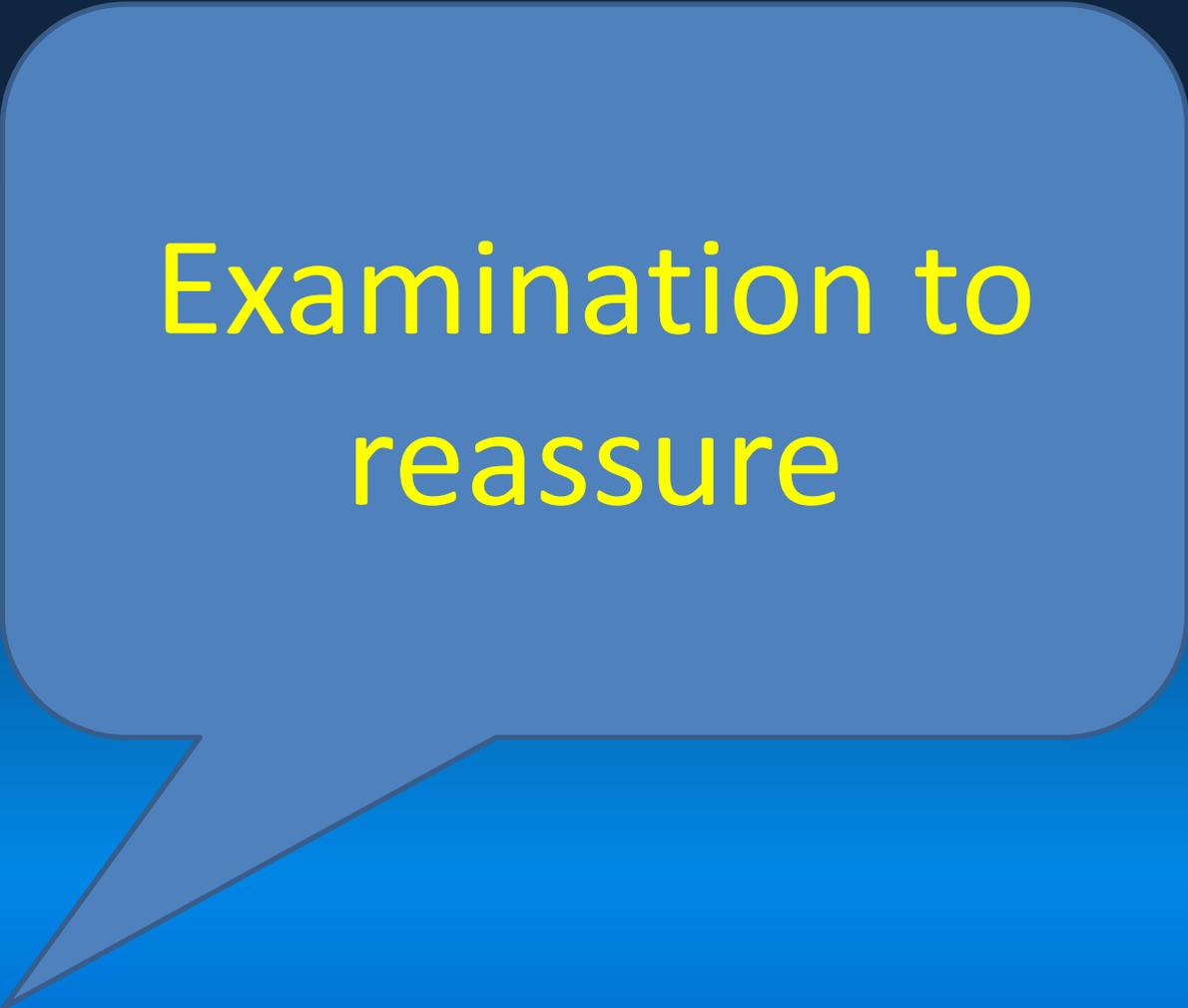


22nd May 2025

Neurological examination made easy

Dr. Stephan Hinze

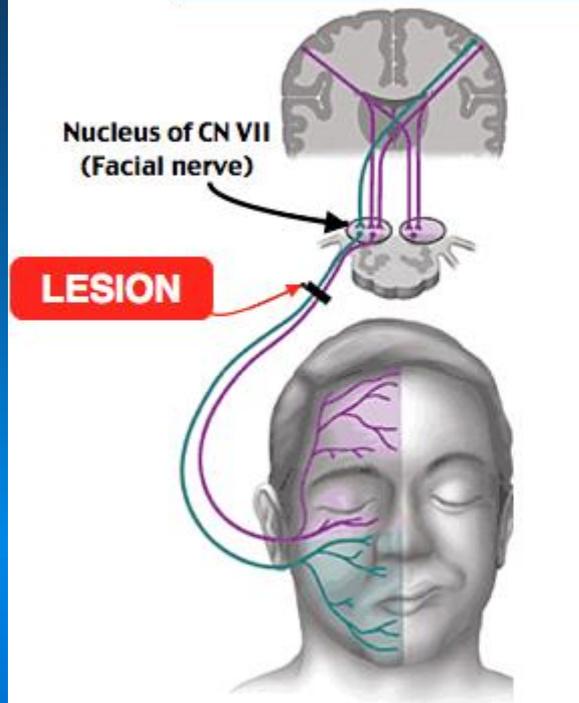
Consultant Neurologist & Honorary Senior Clinical Lecturer



Examination to
reassure

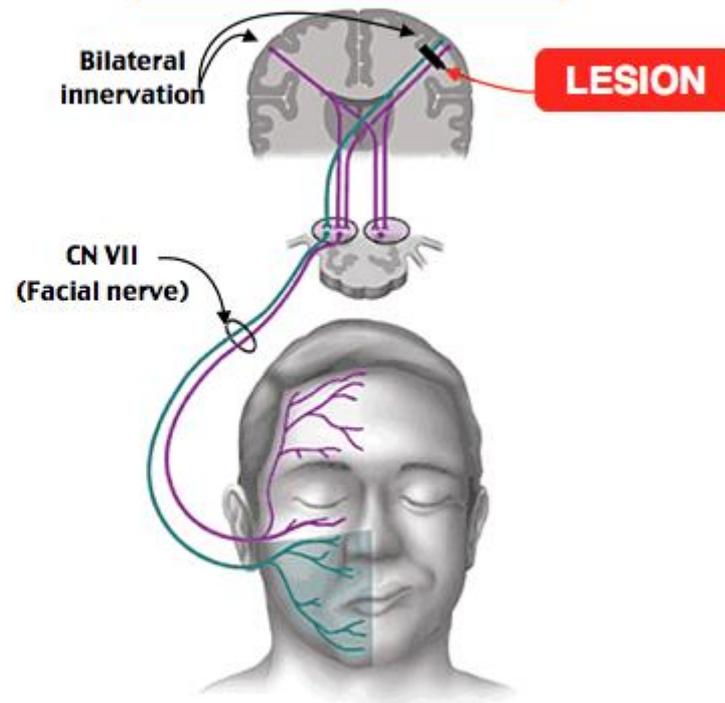
Bell's Palsy or Stroke?

Peripheral lesion (Bell's palsy (CN VII))



NO forehead sparing
Forehead and lip droop

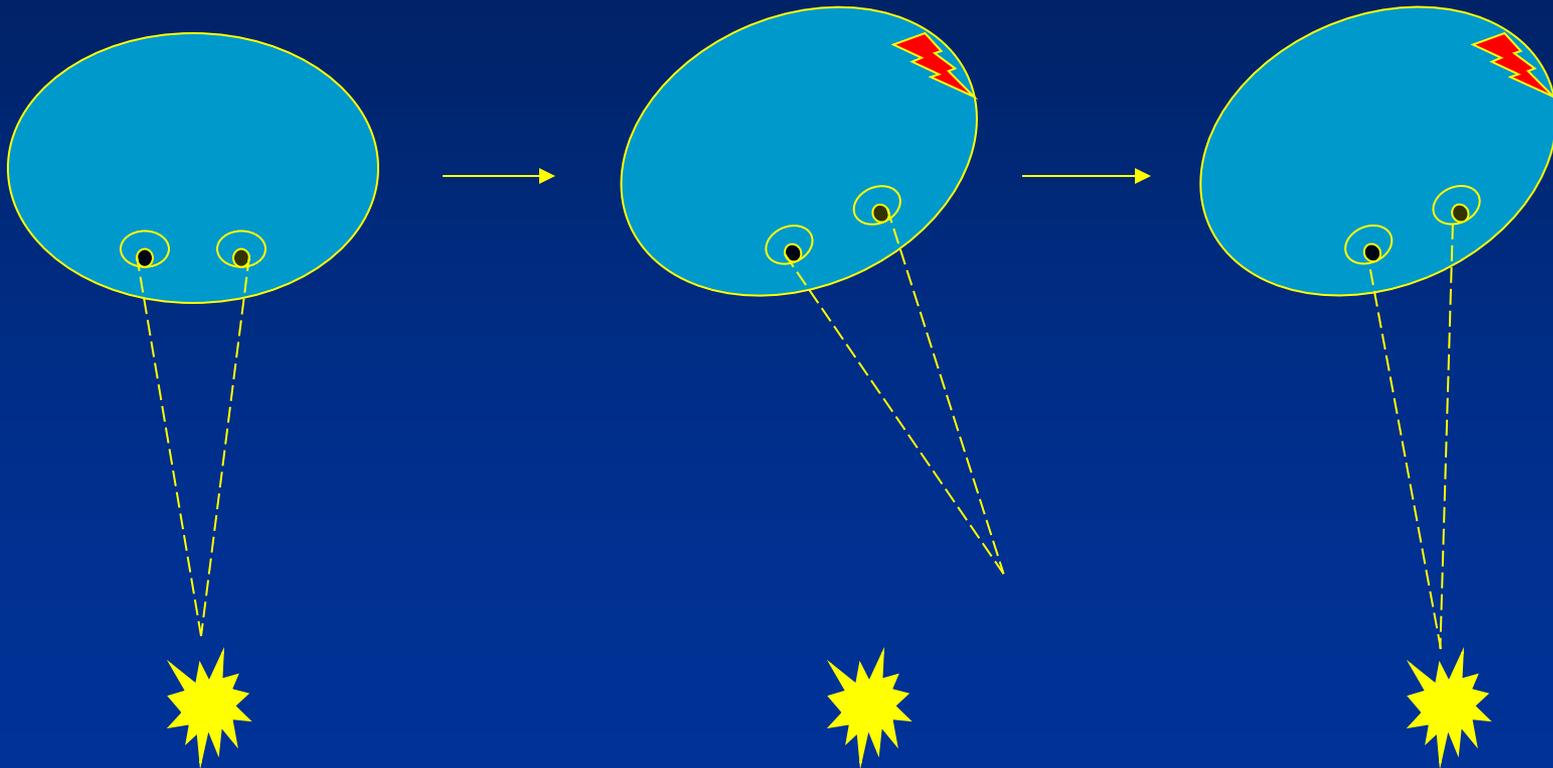
Central lesion (Stroke)



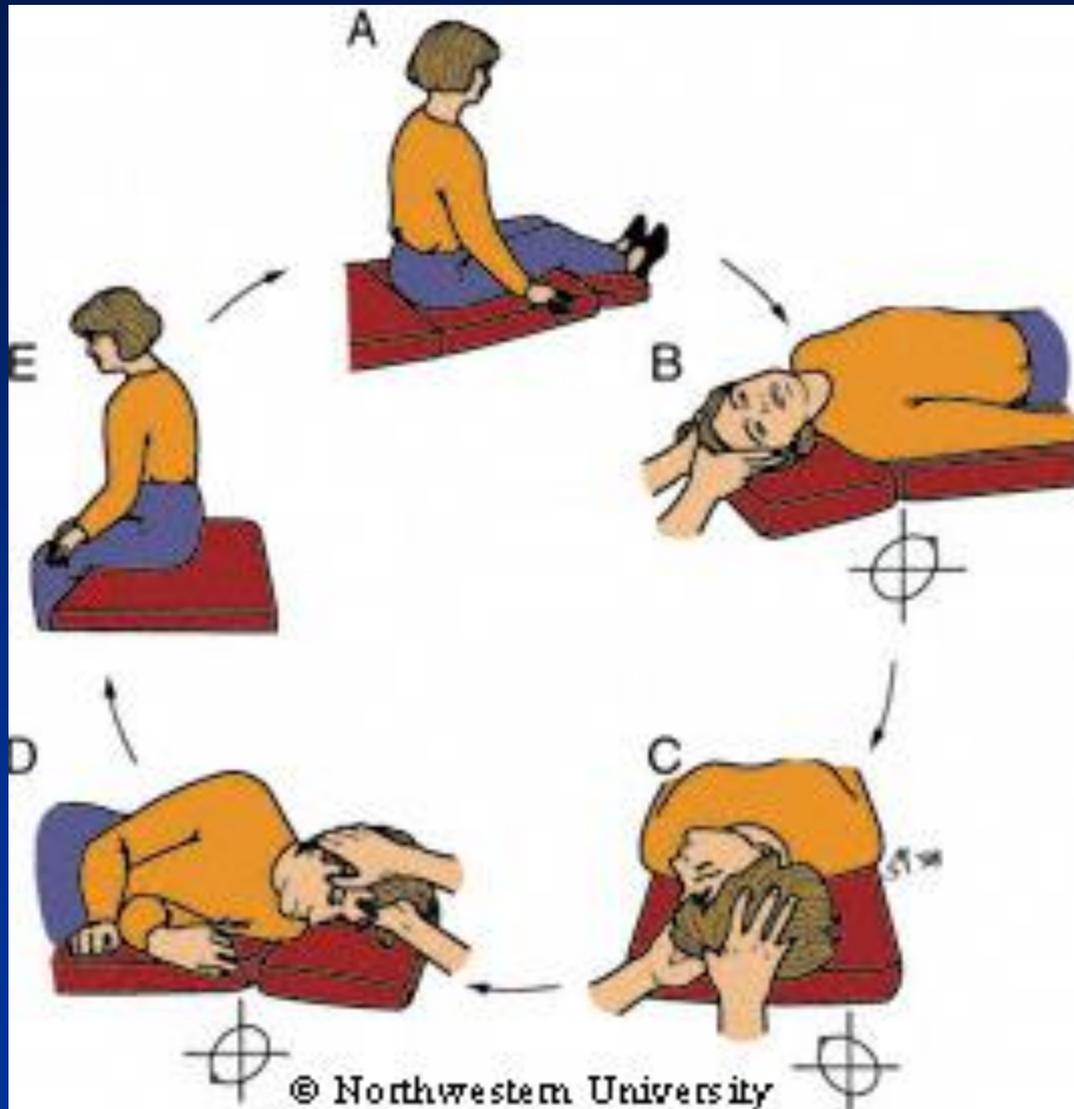
Forehead sparing
Lip droop

The Dizzy Patient

Head thrust test

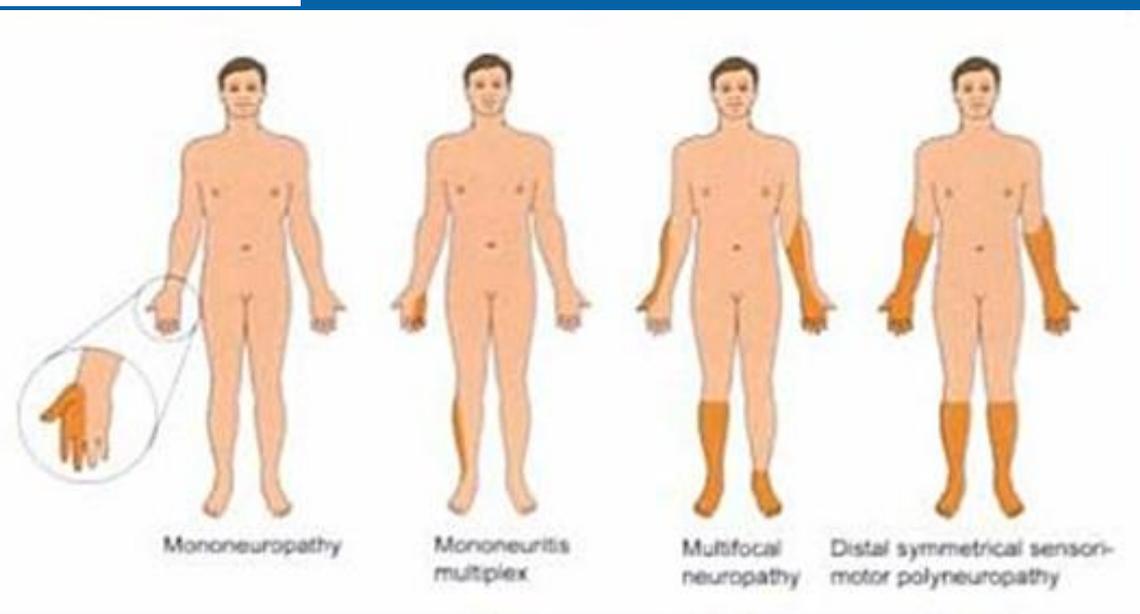
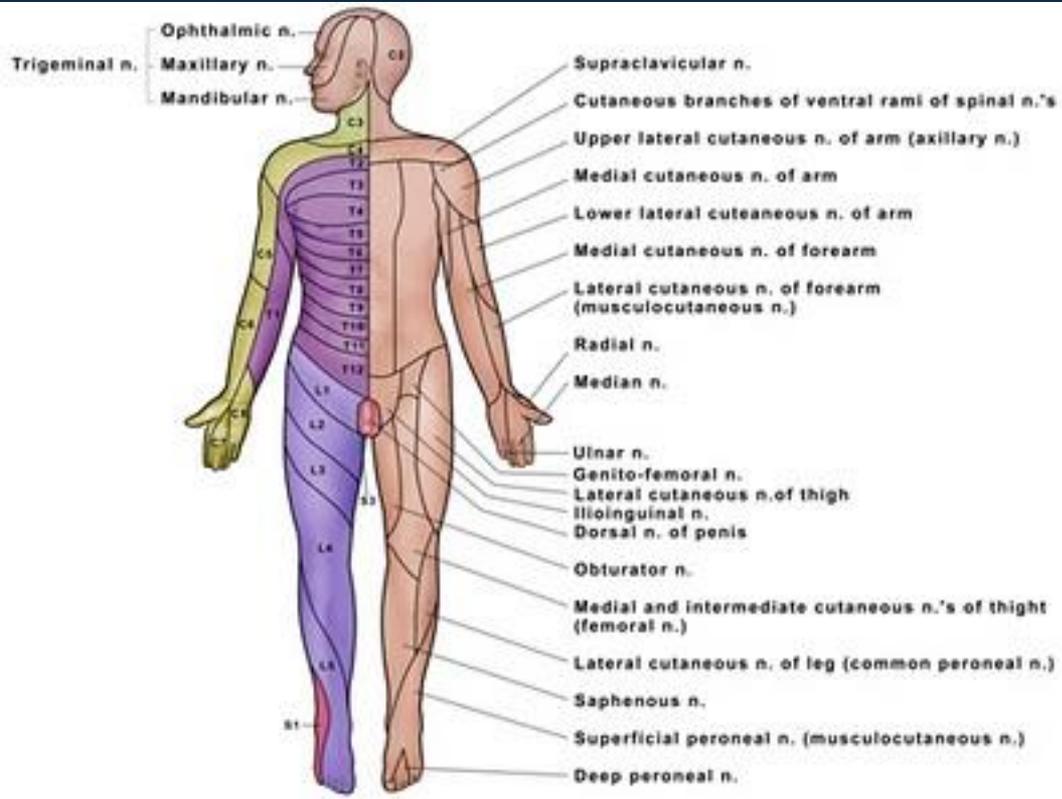


BPPV – Epley maneuver





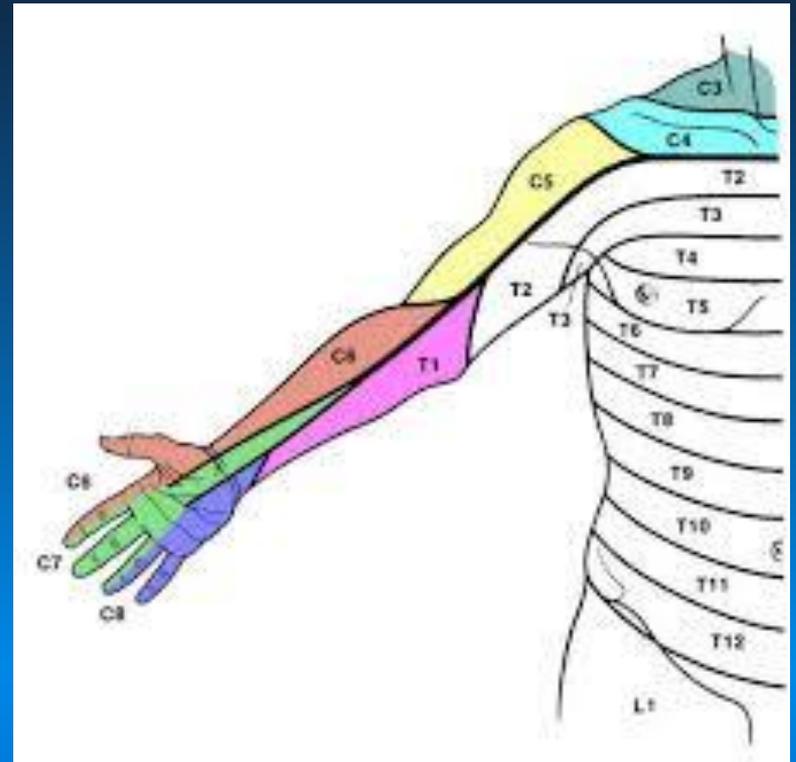
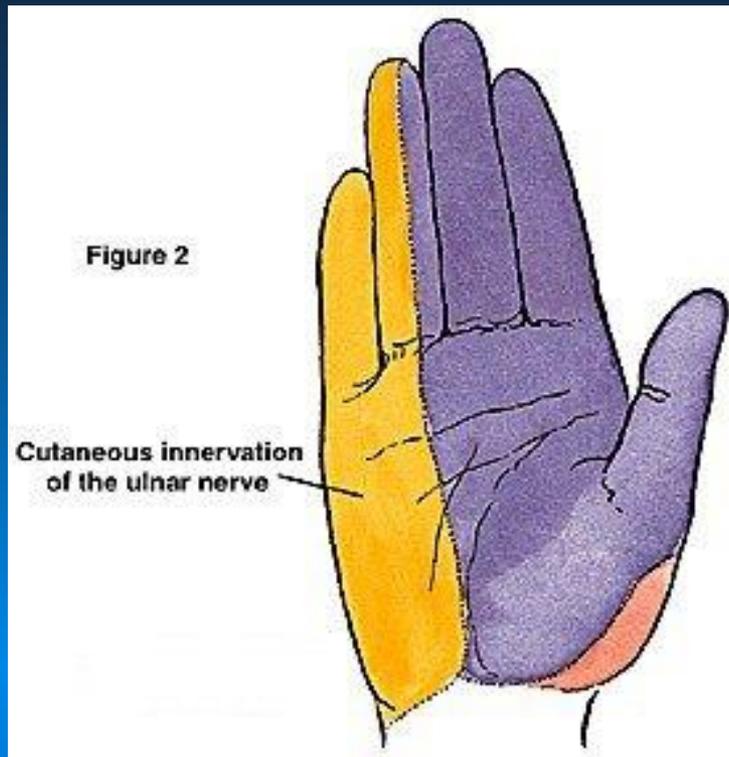
The Sensory
examination



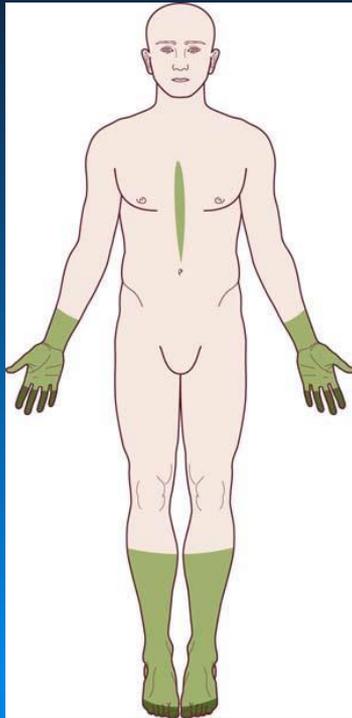
Upper motor neurone signs

- Spasticity
- Hyper-reflexia
- Clonus
- Extensor plantar

Hand or Neck?



Length dependent peripheral neuropathy



TSH

HbA1c

Vit B12

Alcohol

Protein Electrophoresis/ Immunofixation

HIV/Syphilis

Coeliac screen

- Small fibre -> pain + temperature
- Large fibre -> vibration + joint position

A blue 3D cylinder is centered on a dark blue background. The cylinder has a lighter blue top surface and a darker blue bottom surface. The text "Memory Loss" is written in a bold, yellow, sans-serif font across the middle of the cylinder's side.

Memory Loss

The Head Turn Sign

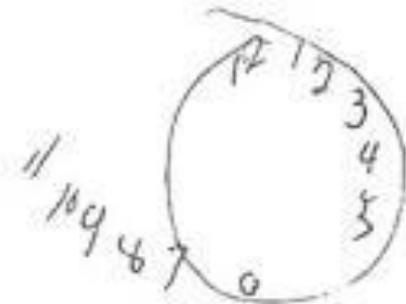
Clock Drawing

Examples of Clock Drawing Test

Early Alzheimer's Disease



Moderate Alzheimer's Disease



Severe Alzheimer's Disease



Verbal fluency

1 minute

a) words with “p” (letter fluency – attention)

b) animals (category – using semantic memory)

[normal > 18-20]

Rule out...

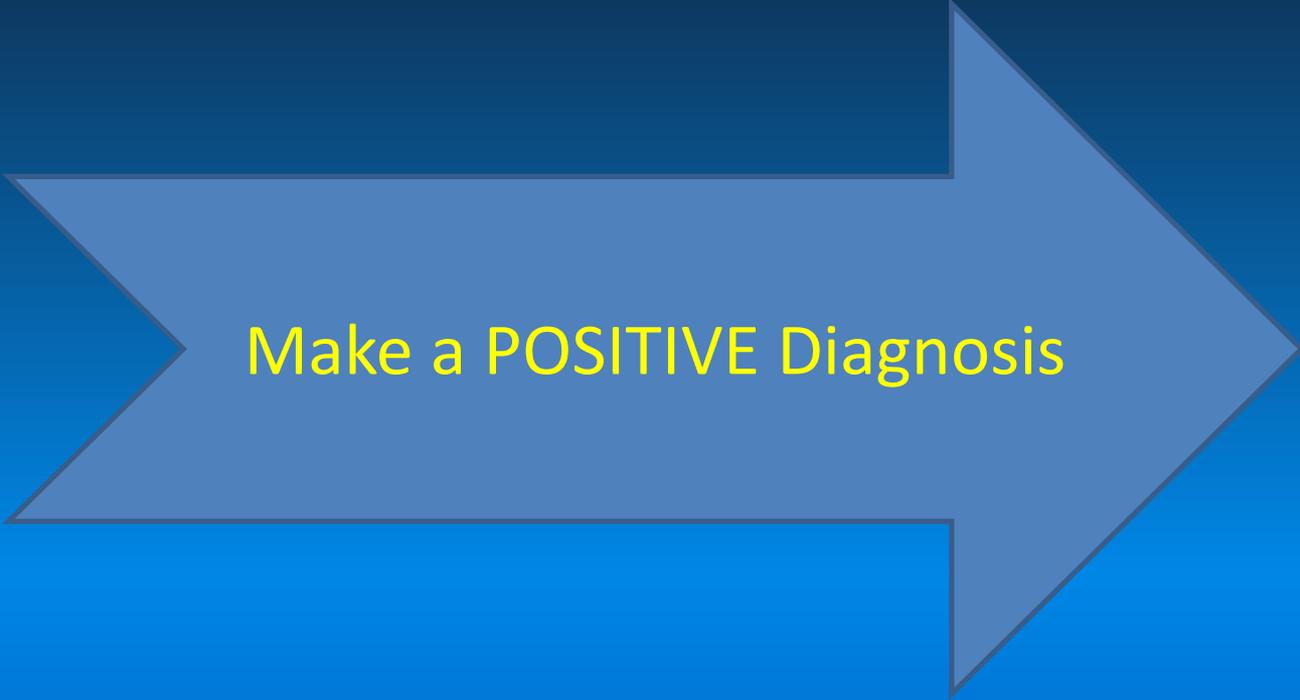
Tiredness:

“Do you feel refreshed in the morning?”

Depression:

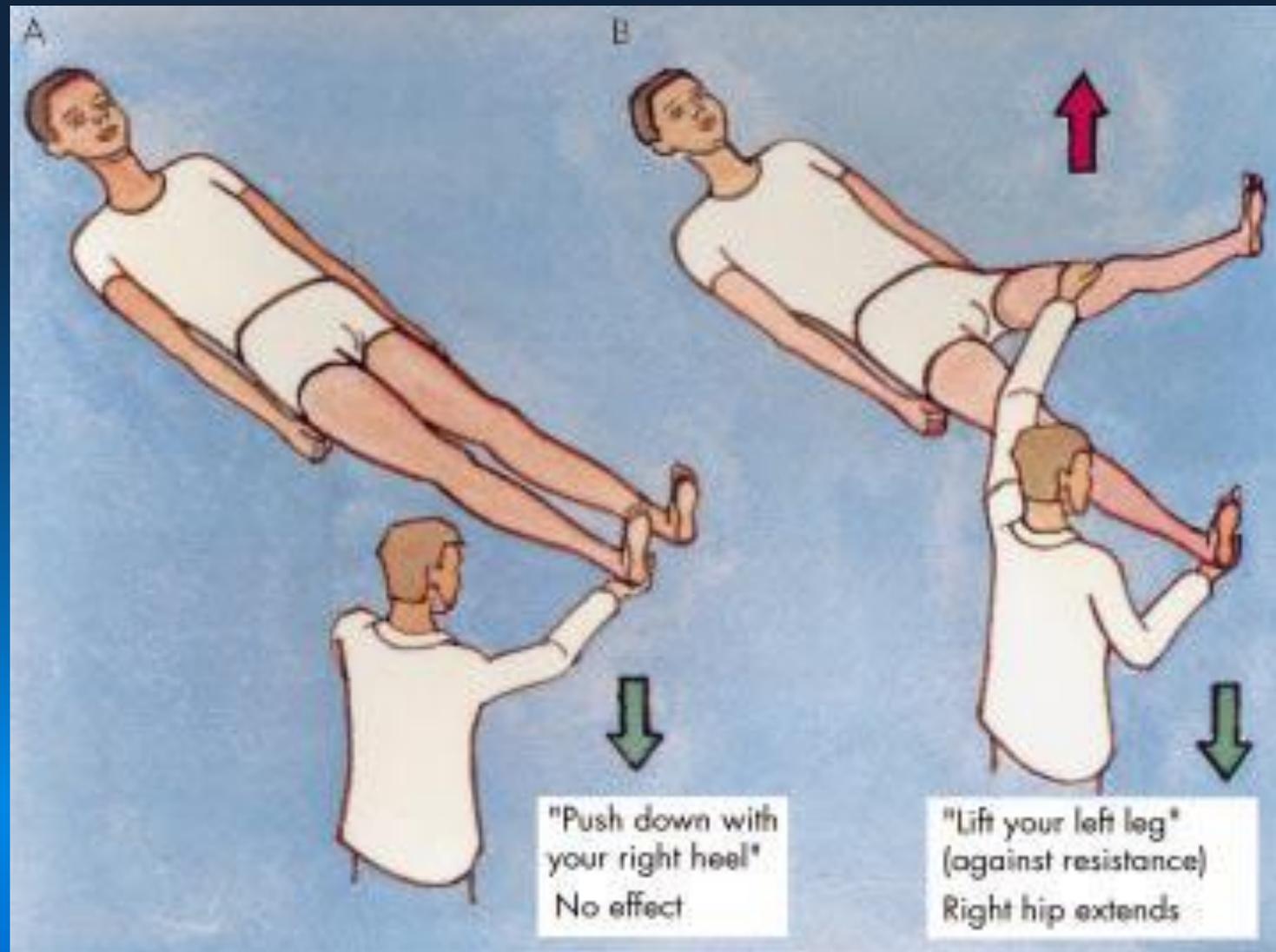
“Do you usually feel cheerful and relaxed?”

Functional Neurological Disorder



Make a POSITIVE Diagnosis

Hoover's sign



- ✓ Give way weakness
- ✓ Sensory loss to Midline/ non-anatomical

Persistent Postural Perceptual Dizziness (PPPD)

- *Affected individuals feel worst when upright, exposed to moving or complex visual stimuli, and during active or passive head motion.*
- *Often follows occurrences of acute or episodic vestibular or balance-related problems*

Functional Movement Disorder

- ✓ Entrainment
- ✓ Distractability