

Nervous system Module

Approach to a patient with a disorder in the Nervous System

Prepared by

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NOTICE

Nervous System Module – 2014/2015 Batch

Students of the above batch please be present at the **East Lecture theatre on 23rd November 2017 at 10.15am**, with **written answers** to the following questions.

History and Examination findings of clinical case scenarios:

1. A 32-year-old male is admitted to emergency treatment unit with a history of fall from a tree 10 hours ago. He has lost consciousness for about 2 min immediately after the fall and then regained consciousness. He has vomited several times on the way to hospital. At the time of admission, he complains of a diffuse headache and remains drowsy.
The neurological examination reveals a dilated left pupil, reduced motor power in right arm and leg and an extensor plantar response on right side.
2. A 65-year old female presents with slowly progressive numbness of feet and difficulty in walking for 3 months. She also complains of intermittent "burning" pain in feet and feeling "dizzy" on standing for several minutes.
On examination, she has wasting of bilateral leg muscles, reduced muscle tone in lower limbs, bilateral foot drop, absent knee and ankle jerks bilaterally and reduced pinprick sensation below the knee level bilaterally.
3. A 35-year-old female comes to the Neurology clinic with a history of progressive loss of pain sensation in the hands for 3 years. She has had repeated painless burn injuries in hands while cooking. Recently she has noticed difficulty with fine movements of hands.
On examination, she has bilateral asymmetrical wasting of small muscles of hands, scars of recurrent burn injuries in fingers, diminished supinator and triceps jerks, exaggerated knee and ankle jerks with extensor plantar responses, absent pinprick sensation in hands and the ulnar aspect of forearms and normal joint position sense in hands and feet.

Tasks to the students:

1. List **keywords** and identify **main problem/s** related to nervous system
2. Identify the **main structure/s** related to key problem/s identified in question 1
3. **Localize** the area/s related to main problem/s
4. List the **functions** of concerned structure or areas related to main problem/s
5. State the **functional derangement/s**
6. State the **diagnosis** or differential diagnoses



Prepared by: Prof. HMA Sominanda

