

Neurology Questions

1. What is the most characteristic clinical finding in syringomyelia?
 - A. Spasticity of the lower limbs ✗
 - B. Normal upper limb reflexes but increased reflexes in the lower limbs ✗
 - * C. Dissociated sensory deficit in the upper limbs ←
 - D. Weakness of the upper limbs ✗ - late
 - E. Extensor plantars ✗
2. Prednisolone is not a recognised treatment for which of the following conditions?
 - * A. Guillain-Barre syndrome
 - B. Neurosarcoid
 - C. Multiple sclerosis
 - D. Myasthenia gravis
 - E. Polymyositis
3. Which of the following drugs has been shown to be of benefit in delaying progression in relapsing remitting multiple sclerosis?
 - A. Cyclosporin
 - B. Azathioprine
 - C. Mycophenolate mofetil ✗
 - D. Prednisolone
 - * E. Interferon β
4. A 30 year old woman presents with headaches and blurred vision. She has a BMI of 37. On examination there is evidence of papilloedema. What is the next most appropriate investigation?
 - * A. MRI brain
 - B. CT brain
 - C. MRI brain and spinal cord
 - D. Visual evoked potentials
 - E. Lumbar puncture
5. In which of the following diseases, is dementia least likely to develop?
 - * A. Motor neuron disease
 - B. Huntington's disease
 - C. Parkinson's disease
 - D. Multiple sclerosis
 - E. Progressive supranuclear palsy (PSP)
6. In transient global amnesia, what would be the least likely finding?

- A. Normal neurological examination ✓
- B. Findings that last 4-6 hours then resolve ✓
- C. Abnormal CT scan of the head
- D. Altered level of consciousness
- E. Normal EEG ✓

7. What is the most important risk factor for stroke?

- A. Age
- B. Hypertension
- C. Smoking
- D. Hyperlipidaemia
- E. Family history

8. Which of the following antiepileptic drugs can cause visual field defects?

- A. Carbamazepine
- B. Vigabatrin
- C. Phenytoin
- D. Gabapentin
- E. Lamotrigine

9. A 60 year old man has a TIA with transient right sided arm weakness. A carotid Doppler shows 80% left internal carotid artery stenosis. What would be the best treatment?

- A. Left carotid endarterectomy
- B. Aspirin 150mg/day
- C. Warfarin aiming for an INR of 2.5 - 3.5
- D. Carotid angioplasty
- E. Aspirin and dipyridole

If AS → Aspirin

10. A 72 year old woman has been hospitalised with a CVA. Which of the following clinical features would be associated with the greatest risk of aspiration?

- A. Dense hemiparesis
- B. Moist speech and weak cough
- C. Dysarthria
- D. Facial droop with drooling
- E. Bilateral absent gag reflex

11. What is the leading cause of blindness in elderly Caucasians?

- A. Glaucoma ✓ Blacks
- B. Ischaemic optic neuropathy

- C. Cataracts
D. Macular degeneration
E. Vitreal haemorrhage

12. A 22 year old woman presents with pain and tingling in the right thumb, index and middle finger. Nerve conduction studies show decreased amplitude in the median nerve distribution, with prolonged distal latency. What is the best management?

- A. Splint the right hand
B. Prednisolone 25mg daily
C. Reassure
D. Further investigation with MRI of the cervical spine
E. Carpal tunnel release

13. Which test has the best specificity for diagnosing multiple sclerosis?

- A. Visual evoked potentials
B. Oligoclonal bands
C. MRI brain
D. EEG
E. CT brain

14. 76 year old man presents with a recent onset of fevers and is generally systemically unwell. He has a poor appetite over the last week and has lost 3kg in weight. He is an ex smoker of 40 pack years. He has developed a right foot drop and a left wrist drop. Which of the following is the best diagnostic test?

- A. CXR
B. Sural nerve biopsy - *varicella*
C. Nerve conduction studies
D. Eosinophil count
E. Temporal artery biopsy

? axonal demyelination
Mononeuritis multiplex

15. Vertigo with neck extension is most likely due to?

- A. Kinking of the vertebral artery
B. Cervical spondylosis
C. Chiari malformation
D. Benign positional vertigo
E. Endolymph leakage

16. In surgery for intractable temporal lobe epilepsy, what is most likely to be found on MRI?

- A. Normal brain
B. Cavernous angioma

- C. Old parietal infarct
- D. Neuronal migration of GABAergic cells from the thalamus to the parietal lobe
- * E. Mesial sclerosis

17. A 27 year old man dislocates his right shoulder at rugby. It is enlocated in the emergency department. He represents with impairment of right shoulder abduction and sensory loss over the lateral aspect of the right upper arm. Which nerve has been affected?

- A. Suprascapular
- B. Radial
- C. Musculocutaneous
- D. Accessory
- * E. Axillary