

NEUROPATHOLOGY MCQS:

1. Which area of brain is most severely affected by herpes simplex encephalitis?
A: brainstem
B: occipital lobes
C: parietal lobes
D: temporal lobes ✓
2. A patient resuscitated from cardiac arrest remains GCS 3 24 hours later. What sign of acute neuronal injury would be seen on pathological examination of the brain?
A: axonal swelling
B: cytoplasmic eosinophilia ✓
C: glial aggregation
D: liquefactive necrosis
3. Which of these accumulations in brain tissue is found in Alzheimer type dementia?
A: Lewy bodies
B: neurofibrillary tangles ✓
C: Pick bodies
D: polyglutamine aggregates
4. Donald collapses upon hearing the results of the US Presidential election. Where does hypertensive intra-cerebral haemorrhage most commonly occur?
A: cerebellum
B: pons
C: putamen ✓
D: thalamus
5. What bacteria is a common cause of neonatal meningitis?
A: Escherichia coli ✓
B: Haemophilus influenzae
C: Staphylococcus aureus
D: Neisseria meningitidis
6. Duret haemorrhages of the mid-brain and pons are found in
A: amyloid angiopathy
B: cerebral vasculitis
C: meningococcal disease
D: trans-tentorial herniation ✓
7. What is found at the margins of acute cerebral abscesses?
A: fibrotic capsule
B: granulation tissue ✓
C: haemorrhage
D: liquefactive necrosis

8. How much of the body's oxygen consumption is used by the brain?
A: 10%
B: 20% ✓
C: 30%
D: 40%
9. Traumatic subarachnoid haemorrhage is typically associated with
A: arterio-venous malformation
B: cerebral contusion ✓
C: coagulation defects
D: skull fracture
10. The most common source of a thromboembolic stroke is
A: cardiac mural thrombus ✓
B: carotid artery atherosclerosis
C: paradoxical embolism of DVT
D: valvular vegetation
11. What is associated with cryptococcal meningitis?
A: contaminated water
B: immunosuppression ✓
C: neurosurgery
D: tropical climates
12. Ischaemic stroke due to in-situ arterial thrombosis is most frequent at this site:
A: carotid bifurcation ✓
B: common carotid artery
C: posterior cerebral artery
D: vertebral artery
- 13: Where are saccular intracranial aneurysms most commonly found?
A: junction of anterior communicating & anterior cerebral arteries ✓
B: junction of internal carotid & middle cerebral arteries
C: junction of the posterior communicating & middle cerebral arteries
D: junction of posterior communicating & posterior cerebral arteries
- 14: BONUS! (Not in the exam) A medical student is beginning to wonder if they and their new baby have come down with Fatal Familial Insomnia. This illness is caused by
A: amyloid
B: demyelination
C: glycogen storage
D: prions ✓