

 [Neuropathology Quizzes](#) [Metabolic Disorders, Toxic, Trauma and White Matter Diseases Quiz](#)
Preview Test: Metabolic/Toxic/Trauma/White Matter Quiz 2

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Test Information

Description

Instructions

Multiple Attempts This test allows multiple attempts.

Force Completion This test can be saved and resumed later.

▼ Question Completion Status:

Save All Answers

Save and Submit

QUESTION 1

1 points

Save Answer

Which of the following is a hereditary peroxisomal disorder:

- Nieman-Pick s disease
- Tay-Sach s disease
- Gaucher s disease
- Adrenoleukodystrophy
- Metachromatic Leukodystrophy

QUESTION 2

1 points

Save Answer

All the following enzyme deficiencies can present as Leigh s disease EXCEPT:

- thiamine pyrophosphate kinase

- pyruvate dehydrogenase
- aspartoacylase
- cytochrome oxidase
- complex I

QUESTION 3**1 points****Save Answer**

Methanol toxicity CAN induce all the following EXCEPT

- Putamen necrosis
- Diffuse focally hemorrhagic leukoencephalopathy
- Loss of retinal ganglion neurons
- Selective loss of cerebellar granular layer
- Optic nerve edema and demyelination

QUESTION 4**1 points****Save Answer**

Leigh s disease and Central Pontine Myelinolysis (CPM) share the following phenotypic characteristic:

- Both affect predominantly the basis pontis
- Both have prominent macrophage infiltrates
- Both superficially resemble infarcts but neuron cell bodies are spared
- Both are due to inherited enzyme defects
- Both are precipitated by acute alcohol ingestion

QUESTION 5**1 points****Save Answer**

Inorganic lead leukoencephalopathy is characterized by:

- Fibrinoid vascular necrosis
- Basophilic granules in the vascular media
- Waxy eosinophilic destruction of the media
- Diffuse myelin vacuolation worse in parieto-occipital regions
- Onion skin fibrotic changes in the media

QUESTION 6**1 points****Save Answer**

CADASIL leukoencephalopathy is characterized by:

- Fibrinoid vascular necrosis
- Basophilic granules in the vascular media
- Waxy eosinophilic destruction of the media
- Diffuse myelin vacuolation worse in parieto-occipital regions

- Onion skin fibrotic changes in the media

QUESTION 7

1 points

Save Answer

Lateral nystagmus in Wernicke-Korsokoff s syndrome is most often associated with lesions in:

- Dorsal thalamus
- Pontine tegmentum
- Mamillary bodies
- Superior colliculus
- Corpus callosum

QUESTION 8

1 points

Save Answer

Which of the following stains is least helpful in documenting a classic MS plaque.

- Luxol-Fast Blue/PAS
- Neurofilament Immunostain
- CD3 immunostains
- CD20 immunostain
- CD68 immunostain

QUESTION 9

1 points

Save Answer

The MS variant Marburg-type is characterized by:

- A fulminant monophasic clinical course
- Clinical presentation as optic neuritis and transverse myelitis
- A single enlarging tumor-like focus of demyelination
- Predominantly periventricular plaques presenting as dementia
- Initial clinical presentation as intranuclear ophthalmoplegia

QUESTION 10

1 points

Save Answer

The text-book location of carbon monoxide toxicity is:

- caudate nucleus
- putamen
- globus pallidus
- mamillary bodies
- cerebellar purkinge neurons

QUESTION 11

QUESTION 11**1 points****Save Answer**

A hammer blow to the left frontal temporal region is most likely to result in:

- contusions to the left frontal cortex and right temporal cortex
- just contusions to the right temporal cortex
- epidural hemorrhage on the left
- epidural hemorrhage and contusions on the left
- subdural hemorrhage on the left

QUESTION 12**1 points****Save Answer**

In MS, a shadow plaque is most recognizable by:

- LFB reactive material in macrophages
- Mitotic figures in reactive glia
- The presence of Creutzfeldt cells
- Thinly myelinated axons
- Accumulation of APP in damaged axons

QUESTION 13**1 points****Save Answer**

Prolonged repetitive low velocity blunt force injury to the frontal lobes is most associated with:

- Subdural hemorrhages
- Superficial cortical contusions
- Intraparenchymal hemorrhages in basal ganglia or thalamus
- Epidural hemorrhages
- Diffuse axonal damage

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Save All Answers**Save and Submit**