

Nervous System and Brain Anatomy

1. The patient presents with a recent diagnosis of apraxia. What is apraxia?

The inability to carry out a skilled movement despite having the physical ability to do so

Lack of insight that one has a disability related to a previous CVA

The inability to speak without slurring words related to parietal lobe damage

Gait abnormality secondary to cerebral degeneration

With apraxia, one cannot carry out a skilled movement despite the fact that one retains the physical ability to do so. This may occur with damage to the Parietal lobe.

2. Layla checks on her curling iron to ensure it has been shut off upwards of 8 times per day. Layla suffers from obsessive thinking. Layla likely has an overly active what?

Caudate Nucleus

Hypothalamus

Cerebellum

Nucleus Accumbens

The Caudate Nucleus is thought to be dysfunctional in persons with OCD.

3. Which cerebral lobe houses the receptive area for touch and spatial orientation?

Parietal Lobe

The Frontal Lobe

The Temporal Lobe

Occipital lobe

The Parietal lobe houses the receptive area for touch and spatial orientation.

4. The part of the neuron that takes in and receives messages is called:

Dendrite

Node of

Ranvier

Synapse

Axon

5. Your patient Abigail has suffered an infarct in the right hemisphere of her brain. What would the APRN expect to find on physical exam?

Contralateral weakness

Superior weakness

Ipsilateral weakness

Same side weakness

Contralateral refers to the opposite side of the body. An infarct in the right hemisphere of the brain may produce weakness on the left side of the body.

6. A 55-year-old woman has been referred for a psychiatric evaluation for a change in personality, lack of impulse control, and increasingly reckless decision-making. Which area of the brain would be responsible for these symptoms?

Parietal lobe

Frontal lobe

Wernicke's area

Broca's area

7. A patient is diagnosed with major depressive disorder with the most prominent feature of apathy, anhedonia, and isolation. Which neurotransmitter is associated with the symptoms?