

# Neuroanatomy

## 11 The

# Cerebellum

## Ch 11: The Cerebellum

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## 4. Chapter: Neuroanatomy 11 The Cerebellum

### 1. Neuroanatomy 11 The Cerebellum Questions

#### 4.1.1. What types of sensory endings, other than muscle spindles, convey i...

Author: Stephen Voron

What types of sensory endings, other than muscle spindles, convey information to the cerebellum via spinal cord tracts?

Please choose only one answer:

- Golgi tendon organs.
- Mechanoreceptors.
- Both.
- Neither.

Check the answer of this question online at QuizOver.com:

Question: [What types of sensory endings other than muscle Stephen @University](#)

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#### 4.1.2. What part of the cerebellum does this artery supply?

Author: Stephen Voron

What part of the cerebellum does this artery supply?

Please choose only one answer:

- Inferior surface.
- Superior surface.
- Tonsils.
- Vermis.
- Flocculonodular lobe.

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [What part of the cerebellum does this artery Stephen Vo @University](http://www.quizover.com/question/what-part-of-the-cerebellum-does-this-artery-stephen-vo-university?pdf=1505)

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#### 4.1.3. What part of the brain stem and cerebellum is NOT supplied by this ...

Author: Stephen Voron

What part of the brain stem and cerebellum is NOT supplied by this artery in the posterior fossa? This angiogram is a lateral view with the rostrum to the left. The vertebral artery was injected.

Please choose only one answer:

- Lateral part of medulla.
- Tonsillar region of cerebellum.
- Inferior surface of posterior cerebellum.
- Inferior cerebellar peduncle.
- Pons.

Check the answer of this question online at QuizOver.com:

Question: [What part of the brain stem and cerebellum is Stephen @University](#)

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#### 4.1.4. What attaches the cerebellum to the brain stem?

Author: Stephen Voron

What attaches the cerebellum to the brain stem?

Please choose only one answer:

- Cerebral peduncles.
- Vermis.
- Cerebellar peduncles.
- Tonsil.

Check the answer of this question online at QuizOver.com:

Question: [What attaches the cerebellum to the brain Stephen Vo @University](#)

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#### 4.1.5. Ataxia is defined as:

Author: Stephen Voron

Ataxia is defined as:

Please choose only one answer:

- Inability to perform rapidly alternating movements.
- Error in the range of movement.
- Lack of continuity in the execution of movements.
- Error in the rate, force, and direction of movement.
- Muscle weakness.

Check the answer of this question online at QuizOver.com:

Question: [Ataxia is defined as: Stephen Vo @University of Utah Ch 11: The Quest](#)

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#### 4.1.6. Which of the following are indications of cerebellar disturbance?

Author: Stephen Voron

Which of the following are indications of cerebellar disturbance?

Please choose only one answer:

- Hypotonia.
- Intention tremor.
- Pendular knee jerk.
- Scanning speech.
- All of the above.

Check the answer of this question online at QuizOver.com:

Question: [Which of the following are indications of Stephen Vo @University](#)

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#### 4.1.7. What are the structural and functional relations between the cerebe...

Author: Stephen Voron

What are the structural and functional relations between the cerebellar cortex and the deep, or central, nuclei?

Please choose only one answer:

- Deep nuclei receive input from Purkinje cells.
- Deep nuclei receive input from mossy fibers.
- Deep nuclei receive input from climbing fibers.
- All of the above.

Check the answer of this question online at QuizOver.com:

Question: [What are the structural and functional relations Stephen @University](#)

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#### 4.1.8. Where are the cell bodies of the axons that convey sensory informat...

Author: Stephen Voron

Where are the cell bodies of the axons that convey sensory information from this sense organ?

Please choose only one answer:

- Dorsal root ganglia.
- Intermediolateral cell column or lateral horn.
- Clarke's nucleus (or nucleus dorsalis of Clarke).
- Ventral horn.

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Question: [Where are the cell bodies of the axons that Stephen Vo @University](#)

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#### 4.1.9. The dorsal spinocerebellar tract is contralateral to its cell bodies.

Author: Stephen Voron

The dorsal spinocerebellar tract is contralateral to its cell bodies.

Please choose only one answer:

- True.
- False.

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Question: [The dorsal spinocerebellar tract is contralateral Stephen @University](#)

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#### 4.1.10. How do the olivocerebellar axons terminate in the cerebellum?

Author: Stephen Voron

How do the olivocerebellar axons terminate in the cerebellum?

Please choose only one answer:

- Mossy fibers.
- Climbing fibers.
- Basket cell axons.

Check the answer of this question online at QuizOver.com:

Question: [How do the olivocerebellar axons terminate in Stephen @University](#)

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#### 4.1.11. These nuclei are contralateral to the cerebellar hemisphere where t...

Author: Stephen Voron

These nuclei are contralateral to the cerebellar hemisphere where their axons terminate.

Please choose only one answer:

- True.
- False.

Check the answer of this question online at QuizOver.com:

Question: [These nuclei are contralateral to the cerebellar Stephen @University](#)

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#### 4.1.12. What is the afferent supply of these nuclei?

Author: Stephen Voron

What is the afferent supply of these nuclei?

Please choose only one answer:

- All areas of ipsilateral cerebral cortex.
- All areas of contralateral cerebral cortex.
- Contralateral precentral gyrus.
- Ipsilateral precentral gyrus.
- Red nucleus.

Check the answer of this question online at QuizOver.com:

Question: [What is the afferent supply of these nuclei Stephen Vo @University](#)

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#### 4.1.13. What course do the axons follow in reaching these nuclei in the pons?

Author: Stephen Voron

What course do the axons follow in reaching these nuclei in the pons?

Please choose only one answer:

- Cortex-->internal capsule-->cerebral peduncle.
- Cortex-->internal capsule-->red nucleus.
- Cortex-->thalamus-->cerebellar peduncle.
- Thalamus-->internal capsule-->cerebellar peduncle.

Check the answer of this question online at QuizOver.com:

Question: [What course do the axons follow in reaching Stephen Vo @University](#)

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#### 4.1.14. What is the vascular supply of the pons?

Author: Stephen Voron

What is the vascular supply of the pons?

Please choose only one answer:

- Vertebral arteries.
- Basilar artery.
- Superior cerebellar artery.
- Posterior inferior cerebellar artery.

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Question: [What is the vascular supply of the pons Stephen Vo @University Ch](#)

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#### 4.1.15. The axons in this structure terminate as mossy fibers.

Author: Stephen Voron

The axons in this structure terminate as mossy fibers.

Please choose only one answer:

- True.
- False.

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Question: [The axons in this structure terminate as mossy Stephen @University](#)

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#### 4.1.16. What is the orientation of the Purkinje cell dendrites with respect...

Author: Stephen Voron

What is the orientation of the Purkinje cell dendrites with respect to the granule cell axons?

Please choose only one answer:

- Perpendicular.
- Parallel.

Check the answer of this question online at QuizOver.com:

Question: [What is the orientation of the Purkinje cell Stephen Vo @University](#)

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#### 4.1.17. To what brain stem nuclei does this structure project?

Author: Stephen Voron

To what brain stem nuclei does this structure project?

Please choose only one answer:

- Vestibular nuclei.
- Reticular nuclei.
- Red nucleus.
- A and B.
- A, B, and C.

Check the answer of this question online at QuizOver.com:

Question: [To what brain stem nuclei does this structure Stephen @University](#)

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#### 4.1.18. What route do the thalamocortical fibers from the ventral lateral n...

Author: Stephen Voron

What route do the thalamocortical fibers from the ventral lateral nucleus (arrow) take?

Please choose only one answer:

- Internal capsule
- External capsule
- Extreme capsule
- Cerebral peduncle
- Pyramid

Check the answer of this question online at QuizOver.com:

Question: [What route do the thalamocortical fibers from Stephen @University](#)

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#### 4.1.19. The right cerebral cortex affects the function of the right cerebel...

Author: Stephen Voron

The right cerebral cortex affects the function of the right cerebellar cortex.

Please choose only one answer:

- True.
- False.

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Question: [The right cerebral cortex affects the function Stephen @University](#)

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#### 4.1.20. The clinical signs of cerebellar hemisphere disease generally occur...

Author: Stephen Voron

The clinical signs of cerebellar hemisphere disease generally occur on the same side as the lesion.

Please choose only one answer:

- True.
- False.

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Question: [The clinical signs of cerebellar hemisphere Stephen Vo @University](#)

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#### 4.1.21. Occlusion of PICA has compromised the lateral medulla. Which of the...

Author: Stephen Voron

Occlusion of PICA has compromised the lateral medulla. Which of the following will occur?

Please choose only one answer:

- Ipsilateral loss of pain and temperature from the body.
- Ipsilateral loss of pain and temperature from the face.
- Contralateral loss of somatic position and vibratory sensation.

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Question: [Occlusion of PICA has compromised the lateral Stephen @University](#)

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#### 4.1.22. This vessel supplies:

Author: Stephen Voron

This vessel supplies:

Please choose only one answer:

- The lateral pons.
- The lateral hemispheres of the cerebellum.
- The middle cerebellar peduncle.
- All of the above.

Check the answer of this question online at QuizOver.com:

Question: [This vessel supplies: Stephen Vo @University of Utah Ch 11: The Quest](#)

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#### 4.1.23. Climbing fibers:

Author: Stephen Voron

Climbing fibers:

Please choose only one answer:

- Excite Purkinje cells.
- Have cells bodies on the opposite side of the medulla.
- Contact only a few Purkinje cells.
- Are axons of cells in the inferior olivary nucleus.
- All of the above.

Check the answer of this question online at QuizOver.com:

Question: [Climbing fibers: Stephen Vo @University of Utah Ch 11: The Cerebellum](#)

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