

Neuroanatomy

07 The Visual System

Ch 07: The Visual System

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Published 2015

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4. Chapter: Neuroanatomy 07 The Visual System

1. Neuroanatomy 07 The Visual System Questions

4.1.1. What major cerebral vessel is lateral to the chiasm?

Author: Stephen Voron

What major cerebral vessel is lateral to the chiasm?

Please choose only one answer:

- Anterior cerebral artery.
- Middle cerebral artery.
- Internal carotid.
- Posterior communicating artery.

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

Question: [What major cerebral vessel is lateral to the Stephen Vo @University](#)

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4.1.2. Where do the axons of these cells go?

Author: Stephen Voron

Where do the axons of these cells go?

Please choose only one answer:

- The optic disc.
- The inner plexiform layer.
- The outer plexiform layer.
- All of the above.
- None of the above.

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

Question: [Where do the axons of these cells go Stephen Vo @University Utah](http://www.quizover.com/question/where-do-the-axons-of-these-cells-go-stephen-vo-university-utah?pdf=1505)

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4.1.3. This area is necessary for the

Author: Stephen Voron

This area is necessary for the

Please choose only one answer:

- Accommodation reflex.
- Pupillary light reflex.
- Blinking.
- Night vision.

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

Question: [This area is necessary for the Stephen Vo @University of Utah Ch](#)

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4.1.4. Most cell bodies of neurons in this nucleus send their axons to

Author: Stephen Voron

Most cell bodies of neurons in this nucleus send their axons to

Please choose only one answer:

- Upper and lower calcarine cortex.
- Lower half of calcarine cortex.
- Upper half of calcarine cortex.

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

Question: [Most cell bodies of neurons in this nucleus Stephen Vo @University](#)

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4.1.5. This area of cortex is supplied by branches of the

Author: Stephen Voron

This area of cortex is supplied by branches of the

Please choose only one answer:

- Posterior cerebral artery.
- Middle cerebral artery.
- Anterior cerebral artery.
- Anterior choroidal artery.

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

Question: [This area of cortex is supplied by branches Stephen Vo @University](#)

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4.1.6. This region is characterized by

Author: Stephen Voron

This region is characterized by

Please choose only one answer:

- Absence of bipolar cells.
- Lack of blood vessels.
- Absence of ganglion cells.
- Absence of rods.
- All of the above.

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

Question: [This region is characterized by Stephen Vo @University of Utah Ch](#)

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4.1.7. The central retinal artery is a branch of the

Author: Stephen Voron

The central retinal artery is a branch of the

Please choose only one answer:

- Ophthalmic artery.
- Anterior inferior cerebellar artery.
- Ciliary arteries.
- Anterior choroidal artery.

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

Question: [The central retinal artery is a branch of the Stephen @University](#)

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4.1.8. Retinal detachment occurs because this region (arrow)

Author: Stephen Voron

Retinal detachment occurs because this region (arrow)

Please choose only one answer:

- Is the site of fusion of the optic cup and optic vesicle.
- Is poorly vascularized.
- The pigment epithelium is part of the choroid and adheres to it.

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

Question: [Retinal detachment occurs because this region Stephen @University](#)

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4.1.9. What portion of the visual field is represented in the left lateral...

Author: Stephen Voron

What portion of the visual field is represented in the left lateral geniculate?

Please choose only one answer:

- The superior half of the visual field of both eyes.
- The inferior half of the visual field of both eyes.
- The right half of the visual field of one eye.
- The right half of the visual field of both eyes.
- The left half of the visual field of both eyes.

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

Question: [What portion of the visual field is represented Stephen @University](#)

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4.1.10. This artery is a branch of the

Author: Stephen Voron

This artery is a branch of the

Please choose only one answer:

- Basilar artery.
- Middle cerebral artery.
- Anterior cerebral artery.
- Anterior choroidal artery.

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

Question: [This artery is a branch of the Stephen Vo @University Utah Ch 07:](#)

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4.1.11. What part of the ventricular system is closest to the optic radiati...

Author: Stephen Voron

What part of the ventricular system is closest to the optic radiations?

Please choose only one answer:

- Aqueduct.
- Posterior horn of the lateral ventricle.
- Fourth ventricle.
- Third ventricle.
- Frontal horn.

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

Question: [What part of the ventricular system is closest Stephen @University](#)

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4.1.12. This line of of myelinated axons in layer IV of visual cortex repre...

Author: Stephen Voron

This line of of myelinated axons in layer IV of visual cortex represents the axons of cells in the

Please choose only one answer:

- Superior colliculus.
- Lateral geniculate.
- Retina.
- Medial geniculate.
- Oculomotor nucleus.

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

Question: [This line of of myelinated axons in layer IV Stephen Vo @University](http://www.quizover.com/question/this-line-of-of-myelinated-axons-in-layer-iv-stephen-vo-university?pdf=1505)

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4.1.13. The structure indicated in this horizontal section

Author: Stephen Voron

The structure indicated in this horizontal section

Please choose only one answer:

- Is located above the tectum.
- Has its embryological origin in the diencephalon.
- Is near the posterior border of the third ventricle.
- When enlarged can cause compression of the cerebral aqueduct.
- All of the above.

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

Question: [The structure indicated in this horizontal Stephen Vo @University](#)

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4.1.14. A specific sensory nucleus of the thalamus can be defined as:

Author: Stephen Voron

A specific sensory nucleus of the thalamus can be defined as:

Please choose only one answer:

- On the direct relay path between the receptors and the specific sensory cortex.
- Projecting to primary sensory cortex.
- Topographically organized.
- A relay (synaptic) station important in processing sensory information.
- All of the above.

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

Question: [A specific sensory nucleus of the thalamus Stephen Vo @University](#)

Flashcards:

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4.1.15. What fibers compose this tract?

Author: Stephen Voron

What fibers compose this tract?

Please choose only one answer:

- Bipolar cell axons.
- Ganglion cell axons.
- Photoreceptor axons.

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

Question: [What fibers compose this tract Stephen Vo @University of Utah Ch](#)

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4.1.16. What is the difference between the optic nerve and tract?

Author: Stephen Voron

What is the difference between the optic nerve and tract?

Please choose only one answer:

- One has oligodendrocytes and the other Schwann cells.
- One has third order axons and one has second order axons.
- One has only ipsilateral axons and the other has both ipsilateral and contralateral axons.
- One is central nervous system tissue and the other is peripheral nervous system tissue.

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

Question: [What is the difference between the optic nerve Stephen @University](#)

Flashcards:

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4.1.17. The optic or visual radiations are located:

Author: Stephen Voron

The optic or visual radiations are located:

Please choose only one answer:

- Medial to the lateral ventricle.
- Lateral to the lateral ventricle.
- All around the lateral ventricle.

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

Question: [The optic or visual radiations are located: Stephen Vo @University](#)

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4.1.18. At he arrow points to:

Author: Stephen Voron

At he arrow points to:

Please choose only one answer:

- The falx cerebri.
- The falx cerebelli.
- The tentorium.
- The tentorial notch.

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Question: [At he arrow points to: Stephen Vo @University of Utah Ch 07: The](#)

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4.1.19. Important features of this structure include:

Author: Stephen Voron

Important features of this structure include:

Please choose only one answer:

- Optic chiasm above it.
- Portal vascular system.
- Partially derived from the diencephalon.
- In close association with III ventricle.
- All of the above.

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Question: [Important features of this structure include Stephen Vo @University](#)

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