

# Neuroanatomy

## 09 The Auditory System

Ch 09: Auditory System

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## 4. Chapter: Neuroanatomy 09 The Auditory System

### 1. Neuroanatomy 09 The Auditory System Questions

#### 4.1.1. Where are the cell bodies for the auditory part of this nerve?

Author: Stephen Voron

Where are the cell bodies for the auditory part of this nerve?

Please choose only one answer:

- Otic ganglion.
- Nodose ganglion.
- Vestibular nuclei.
- Spiral ganglion.
- Cochlear Nuclei.

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

Question: [Where are the cell bodies for the auditory Stephen Vo @University](http://www.quizover.com/question/where-are-the-cell-bodies-for-the-auditory-stephen-vo-university)

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#### 4.1.2. Tumors originating from the Schwann cells of CN VIII (acoustic neur...

Author: Stephen Voron

Tumors originating from the Schwann cells of CN VIII (acoustic neuromas) are not uncommon. As the tumor grows, it not only compresses VIII but also encroaches upon adjacent cranial nerves. What cranial nerve close to VIII is likely to be involved? Choose one.

Please choose only one answer:

- IX and X.
- VII.
- V.
- VI.

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#### 4.1.3. This artery supplies the Visual Cortex. Which one is it?

Author: Stephen Voron

This artery supplies the Visual Cortex. Which one is it?

Please choose only one answer:

- Anterior Cerebral Artery.
- Middle Cerebral Artery.
- Posterior Cerebral Artery.

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

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#### 4.1.4. The receptors in the Organ of Corti are hair cells. How are they st...

Author: Stephen Voron

The receptors in the Organ of Corti are hair cells. How are they stimulated?

Please choose only one answer:

- By air-borne waves.
- Displacement of the vestibular membrane.
- Displacement of the basilar membrane.
- Displacement of the tectorial membrane.

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

Question: [The receptors in the Organ of Corti are hair Stephen Vo @University](#)

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#### 4.1.5. Which of the following is the lowest level at which "BINAURAL" input...

Author: Stephen Voron

Which of the following is the lowest level at which "BINAURAL" input to the same neuron occurs?

Please choose only one answer:

- Hair Cells.
- Spiral Ganglion Cells.
- Cochlear Nuclei.
- Superior Olivary Nuclei.
- Inferior Colliculus.

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

Question: [Which of the following is the lowest level at Stephen @University](http://www.quizover.com/question/which-of-the-following-is-the-lowest-level-at-stephen-university?pdf=1505)

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#### 4.1.6. Cranial nerves VII and VIII pass through the:

Author: Stephen Voron

Cranial nerves VII and VIII pass through the:

Please choose only one answer:

- Stylomastoid foramen.
- Jugular foramen.
- Internal auditory meatus.
- Oval foramen.

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

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#### 4.1.7. Branches of which cerebral artery vascularize the primary auditory ...

Author: Stephen Voron

Branches of which cerebral artery vascularize the primary auditory cortex, Wernicke's area, and the angular gyrus?

Please choose only one answer:

- Thalamogeniculate.
- Anterior Choroidal.
- Middle Cerebral.
- Posterior Cerebral.

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

Question: [Branches of which cerebral artery vascularize Stephen @University](#)

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#### 4.1.8. Where is the dorsal root ganglion of the auditory portion of VIII ?

Author: Stephen Voron

Where is the dorsal root ganglion of the auditory portion of VIII ?

Please choose only one answer:

- In the medulla.
- In the bony spiral lamina.
- In the internal auditory meatus.
- In the facial canal.

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

Question: [Where is the dorsal root ganglion of the Stephen Vo @University Ch](#)

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#### 4.1.9. Unilateral Cerebral strokes can cause deficits in motor control, so...

Author: Stephen Voron

Unilateral Cerebral strokes can cause deficits in motor control, somatic sensation and vision. However, they do not cause deficits in hearing. The explanation for this is:

Please choose only one answer:

- Auditory information does not reach the cortex
- Auditory information only goes to one hemisphere.
- Auditory information goes to both hemispheres

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

Question: [Unilateral Cerebral strokes can cause deficits Stephen @University](#)

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