

# Neuroanatomy

## 06 Head Somatic

### Visceral

### Sensory

Ch 06: Head Somatic

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## 4. Chapter: Neuroanatomy 06 Head Somatic Visceral Sensory

### 1. Neuroanatomy 06 Head Somatic Visceral Sensory Questions

#### 4.1.1. How do axons from this nucleus reach the postcentral gyrus?

Author: Stephen Voron

How do axons from this nucleus reach the postcentral gyrus?

Please choose only one answer:

- Internal capsule.
- External capsule.
- Extreme capsule.
- Internal medullary lamina.

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

Question: [How do axons from this nucleus reach the Stephen Vo @University](#)

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#### 4.1.2. If this area was selectively destroyed on both sides, could vomitin...

Author: Stephen Voron

If this area was selectively destroyed on both sides, could vomiting be induced by either pharyngeal tickling or gastric distress?

Please choose only one answer:

- Yes.
- No.

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

Question: [If this area was selectively destroyed on both Stephen @University](#)

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#### 4.1.3. A person with a lesion of this nerve, between the brain stem and th...

Author: Stephen Voron

A person with a lesion of this nerve, between the brain stem and the ganglion, would have difficulty with which of the following?

Please choose only one answer:

- Chewing.
- Swallowing.
- Sensation from the cornea.
- Pain from the anterior two thirds of the tongue

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

Question: [A person with a lesion of this nerve between Stephen Vo @University](#)

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#### 4.1.4. Neurons of this nucleus have synaptic connections with the nucleus ...

Author: Stephen Voron

Neurons of this nucleus have synaptic connections with the nucleus of nerve VII (facial nerve) that are essential for the corneal reflex. If the reflex is absent, because the afferent limb is interrupted, which of the following would be present upon stimulation of the side of the lesion?

Please choose only one answer:

- Ipsilateral reflex present, contralateral absent.
- Contralateral present, ipsilateral absent.
- Ipsilateral absent, contralateral absent.
- Ipsilateral present, contralateral present.

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

Question: [Neurons of this nucleus have synaptic connections Stephen @University](#)

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#### 4.1.5. To what cortical region does this nucleus of the thalamus project?

Author: Stephen Voron

To what cortical region does this nucleus of the thalamus project?

Please choose only one answer:

- Transverse temporal lobe.
- Postcentral gyrus.
- Precentral gyrus.
- Prefrontal cortex.

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

Question: [To what cortical region does this nucleus of Stephen Vo @University](#)

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#### 4.1.6. The area of the medulla containing the spinal nucleus of V may be s...

Author: Stephen Voron

The area of the medulla containing the spinal nucleus of V may be supplied by this artery (arrow). Name the artery?

Please choose only one answer:

- Anterior inferior cerebellar artery (AICA).
- Superior cerebellar artery.
- Anterior spinal artery.
- Posterior inferior cerebellar artery (PICA).
- Posterior cerebral artery.

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

Question: [The area of the medulla containing the spinal Stephen @University](#)

Flashcards:

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#### 4.1.7. Where are the cell bodies located for the axons that innervate the ...

Author: Stephen Voron

Where are the cell bodies located for the axons that innervate the taste buds on the posterior third of the tongue?

Please choose only one answer:

- Trigeminal ganglion.
- Geniculate ganglion.
- Petrosal or inferior glossopharyngeal ganglion.
- Nodose or inferior vagal ganglion.

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

Question: [Where are the cell bodies located for the Stephen Vo @University](#)

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#### 4.1.8. Would you expect all portions of the face to be represented equally...

Author: Stephen Voron

Would you expect all portions of the face to be represented equally in this nucleus?

Please choose only one answer:

- Yes.
- No.

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

Question: [Would you expect all portions of the face to Stephen Vo @University](#)

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#### 4.1.9. What other cranial nerve is most likely to be affected if a tumor o...

Author: Stephen Voron

What other cranial nerve is most likely to be affected if a tumor of nerve VIII produced pressure in the cerebellopontine angle (the circled region)?

Please choose only one answer:

- XII.
- V.
- VI.
- VII.

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

Question: [What other cranial nerve is most likely to be Stephen @University](#)

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#### 4.1.10. Where are the cell bodies located for the axons that form the desce...

Author: Stephen Voron

Where are the cell bodies located for the axons that form the descending tract of V ?

Please choose only one answer:

- Trigeminal ganglion.
- Dorsal root ganglion.
- Descending nucleus V.
- Chief sensory nucleus of V.

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

Question: [Where are the cell bodies located for the Stephen Vo @University](#)

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#### 4.1.11. If a growth in the region of the arrow produces sufficient pressure...

Author: Stephen Voron

If a growth in the region of the arrow produces sufficient pressure on the middle cerebellar peduncle to cause degeneration of the incoming axons, which of the following will occur?

Please choose only one answer:

- Loss of facial sensation.
- Loss of sensation from part of the tongue.
- Loss of corneal reflex.
- A and C.
- A, B, and C.

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

Question: [If a growth in the region of the arrow produces Stephen @University](#)

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#### 4.1.12. Circulating chemicals such as alcohol, ipecac, etc. stimulate this ...

Author: Stephen Voron

Circulating chemicals such as alcohol, ipecac, etc. stimulate this region in the floor of the fourth ventricle because:

Please choose only one answer:

- There is no blood-brain barrier so substances have direct access to appropriate chemoreceptors.
- The substances circulate through the ventricular system and directly stimulate the vomiting center.
- They cause a decrease in threshold for neural circuits.
- Visceral afferents in the tractus solitarius are hyperexcitable.

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

Question: [Circulating chemicals such as alcohol ipecac Stephen Vo @University](#)

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#### 4.1.13. A person with a left facial paralysis who is also deaf in the left ...

Author: Stephen Voron

A person with a left facial paralysis who is also deaf in the left ear is tested for his corneal reflex.

Please choose only one answer:

- Stimulation of left cornea does not produce a consensual reflex.
- Stimulation of left cornea produces a consensual but not a direct reflex.
- Stimulation of left cornea results in a direct but not a consensual reflex.
- Stimulation of the right cornea produces a direct and consensual reflex.

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

Question: [A person with a left facial paralysis who is Stephen Vo @University](#)

Flashcards:

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#### 4.1.14. Where is this ganglion located?

Author: Stephen Voron

Where is this ganglion located?

Please choose only one answer:

- Pterygoid canal.
- Pterygopalatine fossa.
- Facial canal.
- Posterior cranial fossa

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

Question: [Where is this ganglion located Stephen Vo @University of Utah Ch](#)

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#### 4.1.15. What nerve(s) innervate(s) taste bud receptors?

Author: Stephen Voron

What nerve(s) innervate(s) taste bud receptors?

Please choose only one answer:

- VII.
- IX.
- X.
- A & B.
- A, B & C.

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

Question: [What nerve s innervate s taste bud receptors Stephen Vo @University](http://www.quizover.com/question/what-nerve-s-innervate-s-taste-bud-receptors-stephen-vo-university)

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Interactive Question:

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#### 4.1.16. Is this tract efferent from or afferent to the descending nucleus o...

Author: Stephen Voron

Is this tract efferent from or afferent to the descending nucleus of V?

Please choose only one answer:

- Afferent.
- Efferent.

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

Question: [Is this tract efferent from or afferent to Stephen Vo @University](#)

Flashcards:

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#### 4.1.17. The contraction of thoracic and abdominal striated muscles involved...

Author: Stephen Voron

The contraction of thoracic and abdominal striated muscles involved in vomiting depends on the stimulation of ventral horn cells at the appropriate spinal cord levels. How are these connected with the nucleus solitarius?

Please choose only one answer:

- Tractus solitarius.
- Descending tract of V.
- Through the reticular formation and reticulospinal tracts.
- Trigeminothalamic tract.

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

Question: [The contraction of thoracic and abdominal Stephen Vo @University](#)

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#### 4.1.18. Which cranial nerves contribute axons to this tract?

Author: Stephen Voron

Which cranial nerves contribute axons to this tract?

Please choose only one answer:

- VII, IX, X.
- V, VII, IX, X.
- V, VII, X.
- V, VII, IX.

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

Question: [Which cranial nerves contribute axons to this Stephen @University](#)

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#### 4.1.19. This ganglion is a homologue of what structure associated with the ...

Author: Stephen Voron

This ganglion is a homologue of what structure associated with the spinal cord?

Please choose only one answer:

- Stellate or superior cervical ganglion.
- Celiac ganglion.
- Pterygopalatine ganglion.
- Dorsal root ganglion.
- Sympathetic chain ganglion.

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

Question: [This ganglion is a homologue of what structure Stephen @University](#)

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#### 4.1.20. The sensory division of the trigeminal nerve innervates all of the ...

Author: Stephen Voron

The sensory division of the trigeminal nerve innervates all of the following structures EXCEPT

Please choose only one answer:

- Skin over the angle of the jaw.
- Cornea.
- The dura.
- Pain receptors of the anterior 2/3 of the tongue.
- Sinuses in the skull.

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

Question: [The sensory division of the trigeminal nerve Stephen Vo @University](#)

Flashcards:

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#### 4.1.21. Which of the following is a sensory relay nucleus of the thalamus?

Author: Stephen Voron

Which of the following is a sensory relay nucleus of the thalamus?

Please choose only one answer:

- Pulvinar nucleus.
- Anterior nucleus.
- Ventral posteromedial nucleus.
- Intralaminar nuclei (i.e., centromedian).
- Dorsomedial nucleus.

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

Question: [Which of the following is a sensory relay Stephen Vo @University](#)

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#### 4.1.22. What is the efferent arm of the gag reflex?

Author: Stephen Voron

What is the efferent arm of the gag reflex?

Please choose only one answer:

- VII
- IX
- X
- IX and X.

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

Question: [What is the efferent arm of the gag reflex Stephen Vo @University](#)

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#### 4.1.23. All of the following are sensory radiations from this structure EXC...

Author: Stephen Voron

All of the following are sensory radiations from this structure EXCEPT:

Please choose only one answer:

- Olfactory radiations.
- Optic radiations.
- Auditory radiations.
- Somatosensory radiations.

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

Question: [All of the following are sensory radiations Stephen Vo @University](#)

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