

Guide Questions Lecture 7

Orbit Anatomy

By

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1- There are seven extraocular muscles. Which of the following muscles does not insert into the sclera of the eyeball?

- (A) Levator palpebrae superioris.
- (B) Lateral rectus.
- (C) Superior oblique.
- (D) Medial rectus.
- (E) Superior rectus muscle.

2- Stimulation of sympathetic nervous system can lead to false exophthalmos. Which of the following muscles receives sympathetic nerve fibers?

- (A) Levator palpebrae superioris.
- (B) Lateral rectus.
- (C) Superior oblique.
- (D) Medial rectus.
- (E) Orbicularis oris muscle.

3- Which of the following extraocular muscles is not supplied by the oculomotor nerve?

- (A) Levator palpebrae superioris.
- (B) Lateral rectus.
- (C) Inferior oblique.
- (D) Medial rectus.
- (E) Superior rectus.

4- Which of the following extraocular muscles is supplied by the abducent nerve?

- (A) Superior oblique.
- (B) Superior rectus.
- (C) Inferior oblique.
- (D) Medial rectus.
- (E) Lateral rectus.

5- Which of the following extraocular muscles is supplied by the trochlear nerve?

- (A) Superior rectus.
- (B) Inferior rectus.
- (C) Superior oblique.
- (D) Inferior oblique.
- (E) Lateral rectus.

6- All the following cranial nerves are located within the orbit except:

- (A) Optic nerve.
- (B) Oculomotor nerve.
- (C) Trochlear nerve.
- (D) Facial nerve.
- (E) Abducent nerve.

7- The oculomotor nerve is the nerve that moves the eyeball, with the exception of two muscles. Which two of the following extraocular muscles are not supplied by the oculomotor nerve?

- (A) Superior oblique and inferior oblique.
- (B) Superior rectus and medial rectus.
- (C) Superior oblique and medial rectus.
- (D) Superior oblique and lateral rectus.
- (E) Inferior oblique and lateral rectus.

8- Which **two** of the following extraocular muscles are used to look upward while holding the head?

- (A) Superior oblique and inferior oblique.
- (B) Superior rectus and medial rectus.
- (C) Superior oblique and medial rectus.
- (D) Superior oblique and superior rectus.
- (E) Superior rectus and inferior oblique.

9- Which **two** of the following eye muscles are used to look down while holding the head?

- (A) Inferior oblique and superior oblique.
- (B) Superior rectus and medial rectus.
- (C) Superior oblique and medial rectus.
- (D) Inferior rectus and superior oblique.
- (E) Inferior oblique and superior rectus.

10- Which **three** of the following extraocular muscles are responsible for eye abduction movements?

- (A) Inferior oblique, lateral rectus and superior oblique.
- (B) Superior rectus, lateral rectus and medial rectus.
- (C) Superior rectus, medial rectus and inferior rectus.
- (D) Superior oblique, medial rectus and superior rectus.
- (E) Inferior oblique, medial rectus and superior rectus.

11- Which **three** of the following extraocular muscles are responsible for eye adduction movements?

- (A) Inferior oblique, lateral rectus and superior oblique.
- (B) Superior rectus, lateral rectus and medial rectus.
- (C) Superior rectus, medial rectus and inferior rectus.
- (D) Superior oblique, medial rectus and superior rectus.
- (E) Inferior oblique, medial rectus and superior rectus.

12- Which of the following extraocular muscles is responsible for upper lateral deviation of eyeball?

- (A) Superior oblique.
- (B) Superior rectus.
- (C) Superior oblique.
- (D) Inferior oblique.
- (E) Lateral rectus.

13- Which of the following extraocular muscles is responsible for lower lateral deviation of eyeball?

- (A) Superior oblique.
- (B) Superior rectus.
- (C) Superior oblique.
- (D) Inferior oblique.
- (E) Lateral rectus.

14- Which of the following extraocular muscles is responsible for lower medial deviation of eyeball?

- (A) Superior oblique.
- (B) Superior rectus.
- (C) Superior oblique.
- (D) Inferior rectus.
- (E) Lateral rectus.

15- Which of the following extraocular muscles is responsible for upper medial deviation of eyeball?

- (A) Superior oblique.
- (B) Superior rectus.
- (C) Superior oblique.
- (D) Inferior rectus.
- (E) Lateral rectus.

16- Which of the following nerves is surrounded by the meninges and is therefore considered a tract of the central nervous system?

- (A) Trochlear nerve.
- (B) Oculomotor nerve.
- (C) Optic nerve.
- (D) Facial nerve.
- (E) Abducent nerve.

The optic nerve is considered a tract of the central nervous system (CNS) because it originates from the retina of the eye and carries visual information directly to the brain

Best wishes

1-A

2-A

3-B

4-E

5-C

6-D

7-D

8-E

9-D

10-A

11-C

12-

13-

14-

15-

16-C