

MSS - Histology

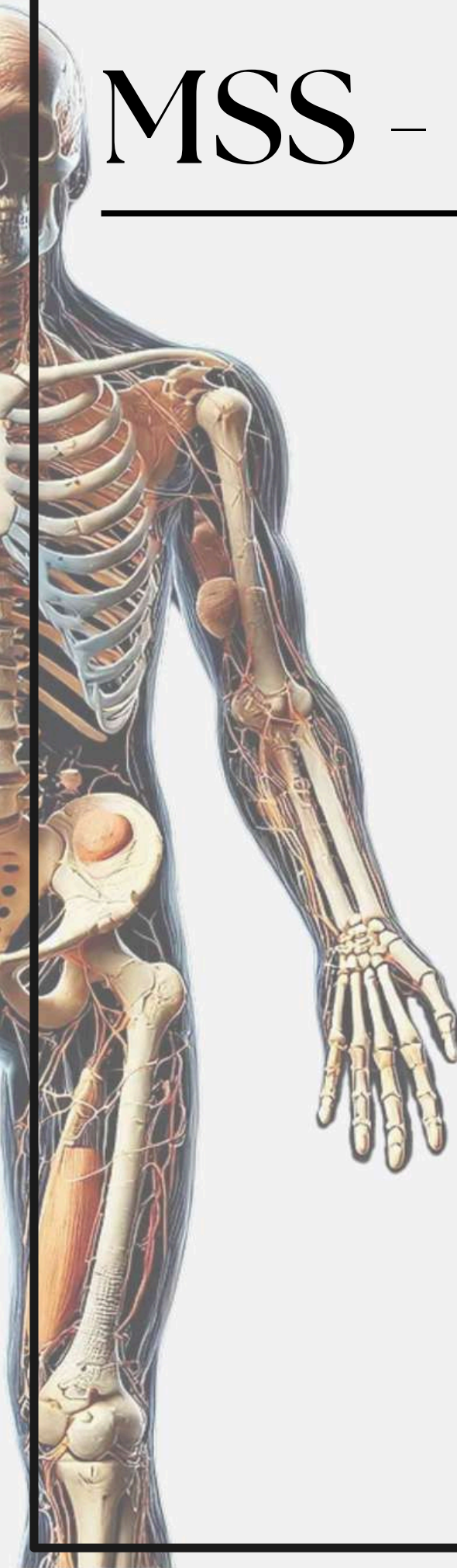
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Lecture 1

Muscle tissue

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Histology - lecture (1)

1. Which of these covers the active site of action :

- A- Troponin C.
- B- Troponin I.
- C- Tropomyosin.
- D- Troponin T.
- E- Calmodulin.

Answer: C

2. One of the following is the function of troponin C :

- A- Binding with calcium ions for contraction.
- B- Inhibit binding of actin and myosin.
- C- Binds troponin to tropomyosin to close active site

Answer : A

3. Which one of the following protein responsible for connect thick filament to Z disk :

- A- Titin.
- B- Nebulin.
- C- Myomesin.
- D- α -Actinin.
- E- Troponin.

Answer: A

Histology - lecture (1)

4. The distance between z-lines is equivalent to the length of the :

- A- M line.
- B- A band.
- C- Sarcomere.
- D- H band.

Answer: C

5. Which of these covers the active site of actin:

- a) troponin C
- b) troponin I
- c) tropomyosin
- D) troponin T
- E) calmodulin

Answer: C

6. Sarcomere is:

between 2 z discs

7. Which of the following is the line that bisects the sarcomeres

- A- I band
- B- A band
- C- Z line
- D- M line
- E- H zone

Answer: D

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8.The H zone

- a) Is divided by M line
- b) Contains only actin

Answer:A

9.Troponin C bind to:

- A- Ca
- B- Na
- C- none

Answer :A

10.Thin dark line across the center of the H zone of a striated muscle fiber:

- A- M line
- B- Z line
- C- H band
- D- I band

Answer :A

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