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Terms Describing the Position and Relationships of Structures in Horses

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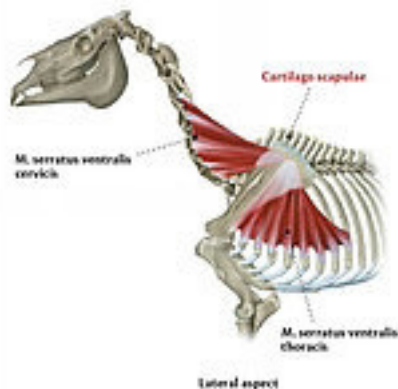
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**M. SERRATUS VENTRALIS****Ventral serrate muscle****1. M. SERRATUS VENTRALIS CERVICIS****Ventral serrate muscle, cervical part****Action**

Principal trunk-supporting muscle.
Raises neck when limb is fixed, (aids in inspiration).

Origin

Processus transversi C III-VII.
Transverse processes of C 3-7.

Insertion

Facies serrata scapulae, cartilago scapulae.
Serrated surface of scapula, scapular cartilage.

Innervation

Rami ventrales nervorum cervicalium.
Ventral branches of cervical nerves.

2. M. SERRATUS VENTRALIS THORACIS**Ventral serrate muscle, thoracic part****Action**

Principal trunk-supporting muscle.
Raises thorax when limb is fixed,
(aids in inspiration).

Origin

Costae I-VIII.
Ribs 1-8.

Insertion

Facies serrata scapulae, cartilago scapulae.
Serrated surface of scapula, scapular cartilage.

Innervation

Nervus thoracicus longus.
Long thoracic nerve.

Comments

The ventral serrate muscle is the strongest muscle of attachment of the forelimb.



M. SEMISPINALIS CAPITIS

Semispinalis capitis muscle

Action

Bilateral action elevates head and neck.
Unilateral action bends head and neck laterally.

Origin

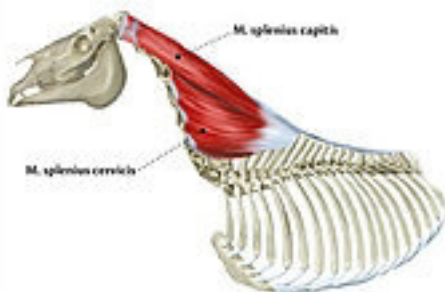
Processus transversi T1-VII
Processus articulares C III-VII
Transverse processes of T 1-7, and
articular processes of C 3-7.

Insertion

Crista nuchae ossis occipitalis.
Nuchal crest of occipital bone.

Innervation

Rami dorsales nervorum cervicalium III-VIII.
Dorsal branches of the last 6 cervical
nerves.



M. SPLENIUS CAPITIS ET CERVICIS

Splenius muscle

Action

Bilateral action extends neck and
elevates head.
Unilateral action flexes head and neck
laterally.

Origin

*Ligamentum nuchae, fascia
thoracolumbalis; processus spinosi
T III-V.*
Nuchal ligament, thoracolumbar fascia,
spinous processes of T 3-5.

Insertion

*Crista nuchae (ossis occipitalis);
processus mastoideus ossis temporalis;
ala atlantis, processus transversi C III-V.*
Nuchal crest of occipital bone, mastoid
process of temporal bone, wing of atlas,
transverse processes of C 3-5.

Innervation

Rami dorsales nervorum cervicalium II-VI.
Dorsal branches of cervical nerves 2-6.



ARTICULATIO TARSII

- A. Tibia
- B. Ossa tarsi
- Cl. Calcaneus
- T. Talus
- Tc. Os tarsi centrale
- T1+2. Os tarsale I + II
- T3. Os tarsale III
- T4. Os tarsale IV

Ossa metatarsalia

- Mt 2. Os metatarsale II
- Mt 3. Os metatarsale III
- Mt 4. Os metatarsale IV
- 1. Trochlea tali
- 2. Tuberculum tali
- 3. Tuber calcanei
- 4. Sustentaculum tali
- a. Articulatio tarsiocruralis
- b. Articulatio talocalcaneocentralis
- c. Articulatio talocalcaneae
- d. Articulatio calcaneosquartalis
- e. Articulatio centrodistalis
- f. Articulatio tarsometatarsae

TARSAL JOINT

- A. Tibia
- B. Tarsal bones
- Cl. Calcaneus
- T. Talus
- Tc. Central tarsal bone
- T1+2. First + second tarsal bones
- T3. Third tarsal bone
- T4. Fourth tarsal bone

Metatarsal bones

- Mt 2. Second metatarsal bone
- Mt 3. Third metatarsal bone
- Mt 4. Fourth metatarsal bone
- 1. Trochlea of talus
- 2. Tubercle of talus
- 3. Calcanean tuber
- 4. Sustentaculum of talus
- a. Tarsiocrural joint
- b. Talocalcaneocentral joint
- c. Talocalcaneal joint
- d. Calcaneosquartal joint
- e. Centrodistal joint
- f. Tarsometatarsal joint