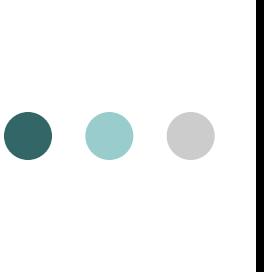




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Ossa

- **Scapula**
- **Humerus**
- **Ossa antebrachii**
- **Ossa carpi**
- **Ossa metacarpi**
- **Ossa digitorum manus**
- **Ossa sesamoidea proximalia**
- **Os sesamoideum distale**

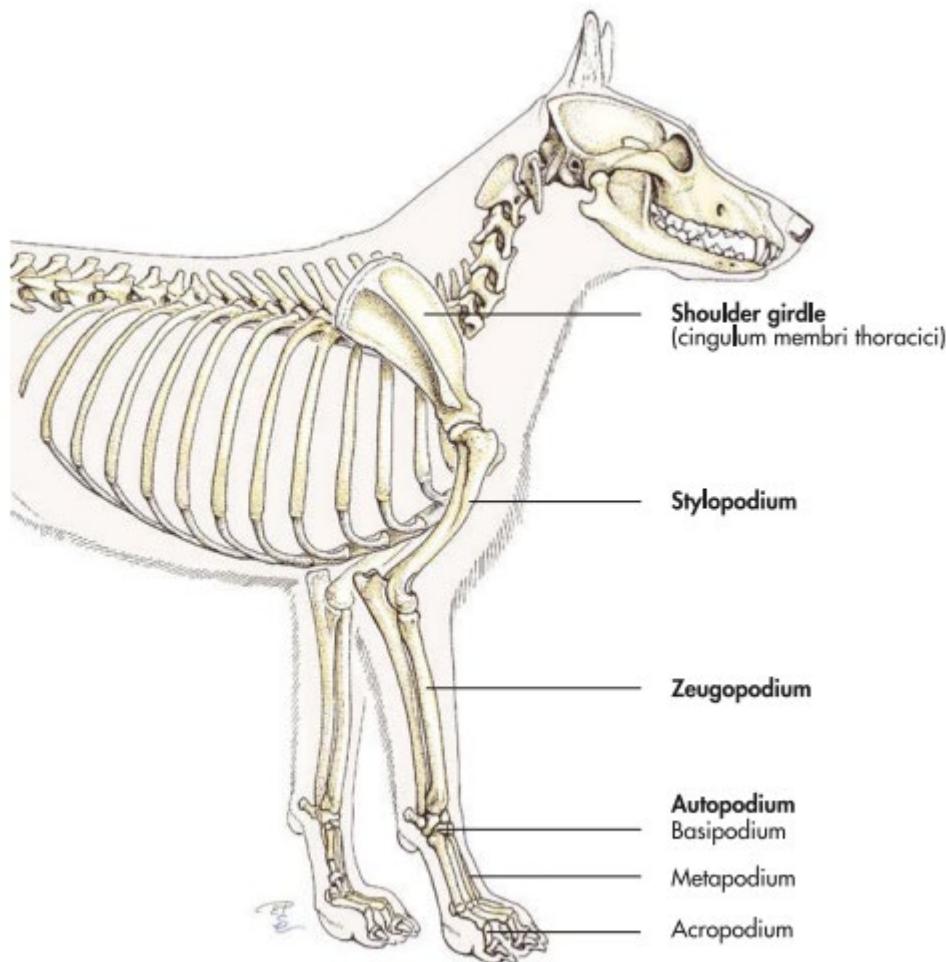
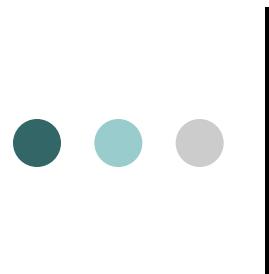


Fig. 4.2 Skeleton of the thoracic limb of the dog: parts (schematic).



Articulationes

- **Articulatio humeri**
- **Articulatio cubiti**
- **Articulatio radioulnaris proximalis**
- **Articulatio radioulnaris distalis**

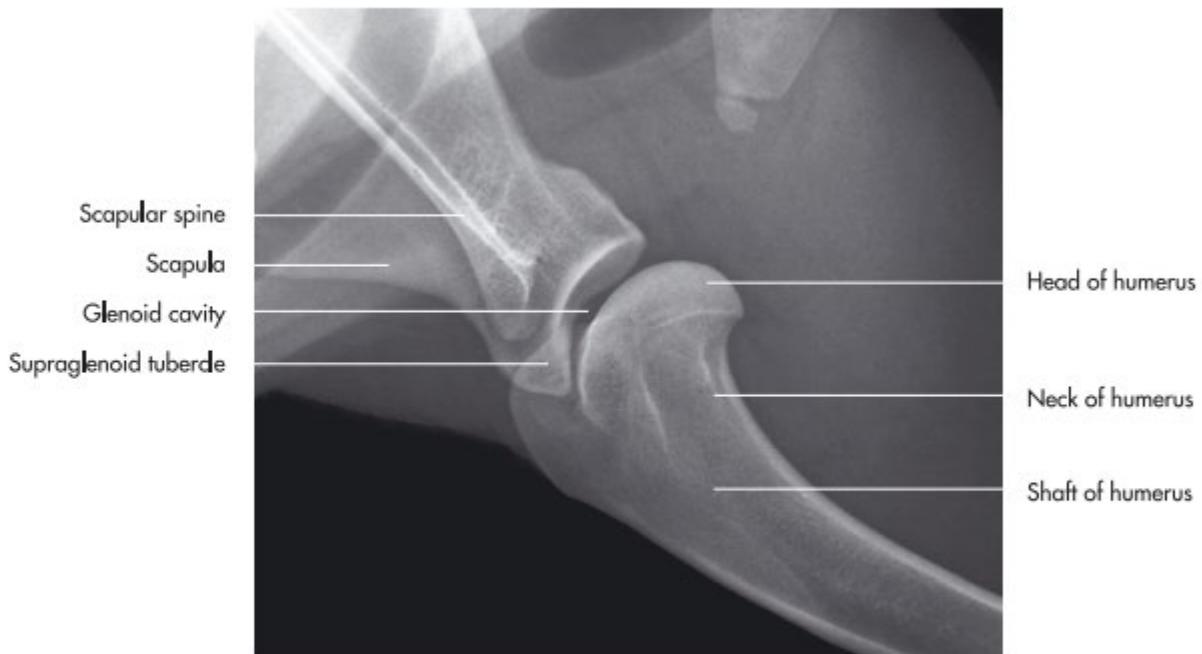


Fig. 4.36 Radiograph of the shoulder joint of a dog (mediolateral projection). (source: courtesy of Prof. Dr. Ulrike Matis, Munich)

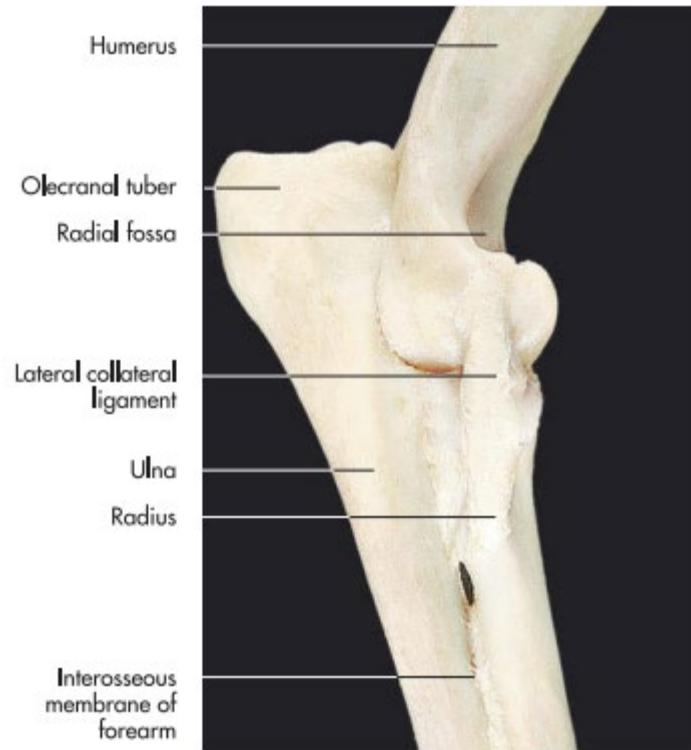
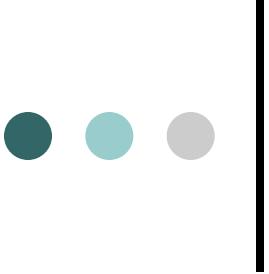


Fig. 4.37 Right elbow joint of a dog (lateral aspect). (source: courtesy of Dr. R. Macher, Vienna)



Fig. 4.41 Radiograph of the elbow joint of a dog (mediolateral projection). (source: courtesy of Prof. Dr. Ulrike Matis, Munich)



○ **Articulatio carpi**

Articulatio antebrachiocarpea

Articulatio metacarpea

Articulatio intercarpea

Articulatio carpometacarpea

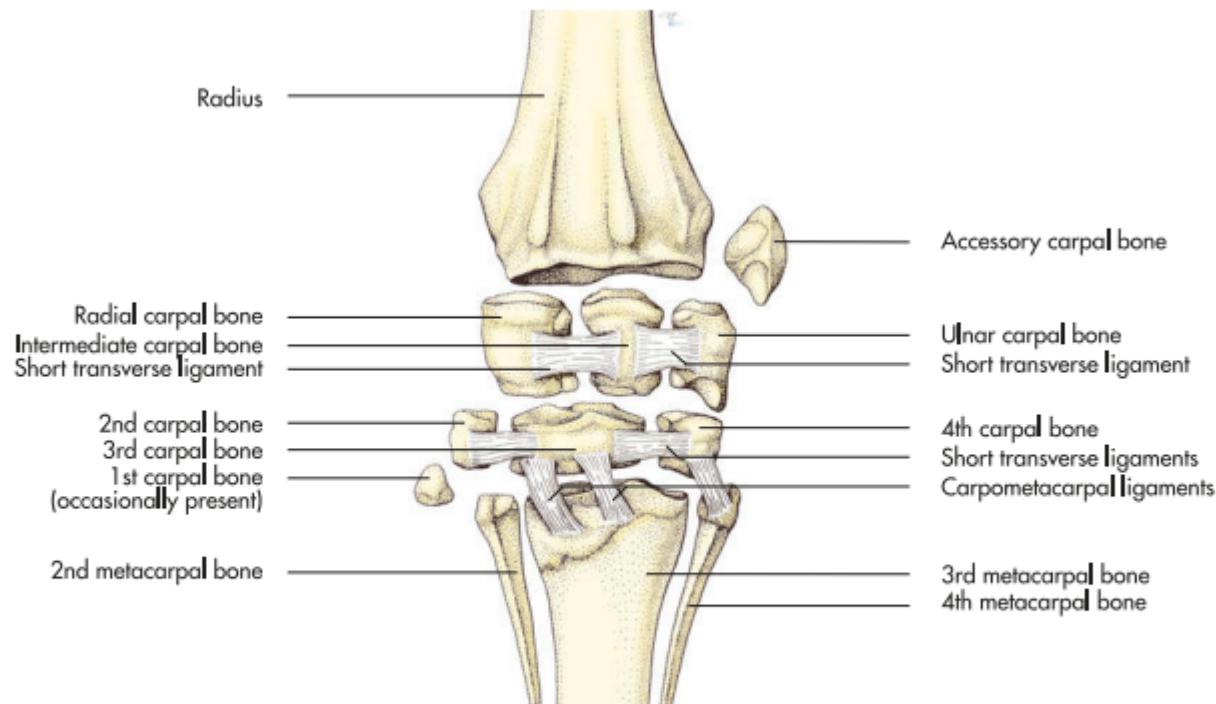


Fig. 4.49 Short ligaments of the left carpus of the horse, with the joint spaces extended (schematic, dorsal aspect); fig. based on data from Dr. S. Wagner, Vienna, 1996.

○ Articulationes intermetacarpeae

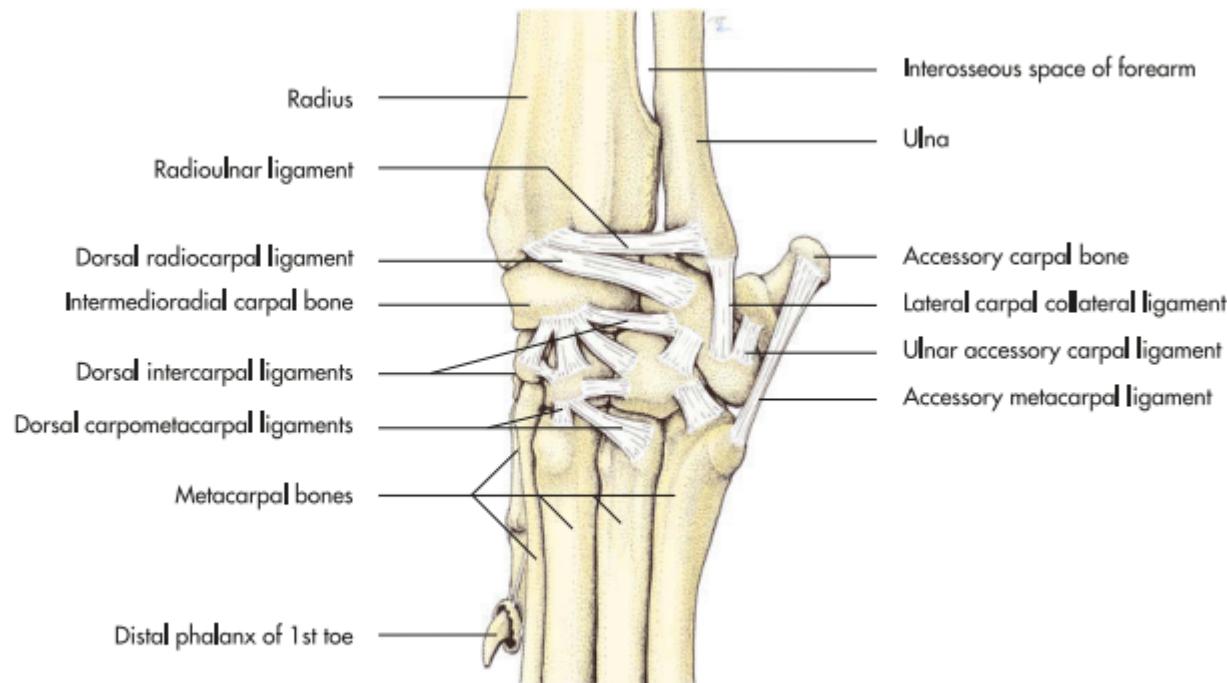


Fig. 4.45 Ligaments of the left carpus of the dog (schematic, lateral aspect); fig. based on data from Ghetie, 1954.

- **Articulationes metacarpophalangeae**
- **Articulationes interphalangeae proximales manus**
- **Articulationes interphalangeae distales manus**



3rd and 4th metacarpal bone
Axial and abaxial proximal sesamoid bone
Joint space of fetlock joint
Soft tissue density of dew claws
Proximal phalanx with marrow cavity
Joint space of proximal interphalangeal joint
Middle phalanx
Joint space of distal interphalangeal joint
Distal sesamoid bone
Distal phalanx

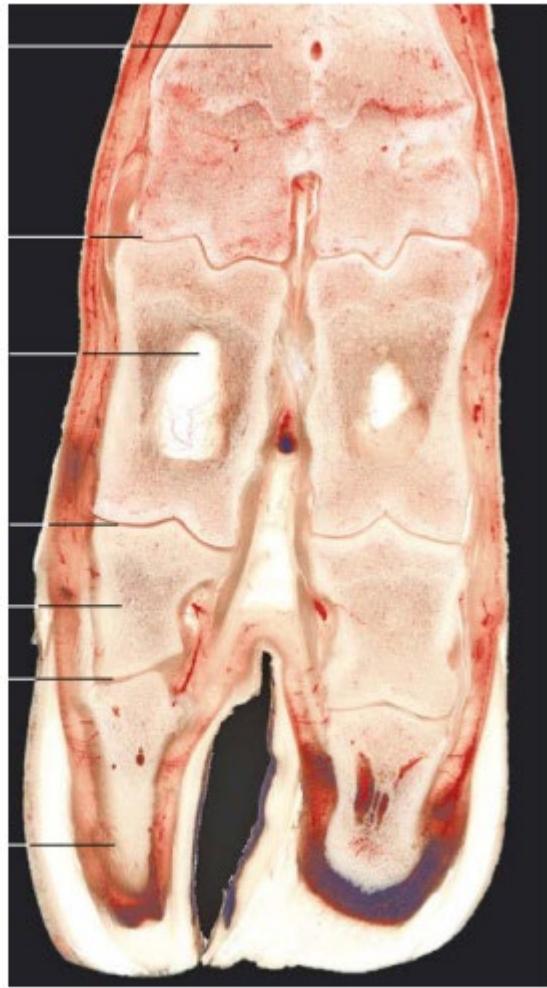
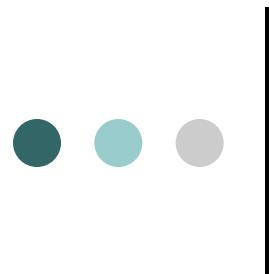


Fig. 4.51 Foot of an ox: radiograph (dorsopalmar projection) (left) and E-12 slice plastinate (right). (source: courtesy of Prof. Dr. Sabine Breit, Vienna (left), and H. Obermayer, Munich (right))

- **Cartilago et spina scapulae**
- **Tuberculum majus**
- **Tuberositas deltoidea**
- **Condylus humeri**
- **Epicondylus lateralis humeri**
- **Olecranon**

- **Radius**
- **Ossa carpi**
- **Ossa metacarpalia**
- **Ossa sesamoidea proximalia**
- **Phalanx proximalis et media**
- **Processus extensorius**



Regiones

- **Regio scapularis**
 - Regio supraspinata**
 - Regio infraspinata**
- **Regio axillaris**
- **Regio tricipitalis (anconeal)**
- **Regio brachii**

- **Regio cubiti**
- **Regio antebrachii**
- **Regio carpi**
- **Regio metacarpi**
- **Regio metacarpophalangea**
- **Regio phalangis proximalis, mediae et distalis**

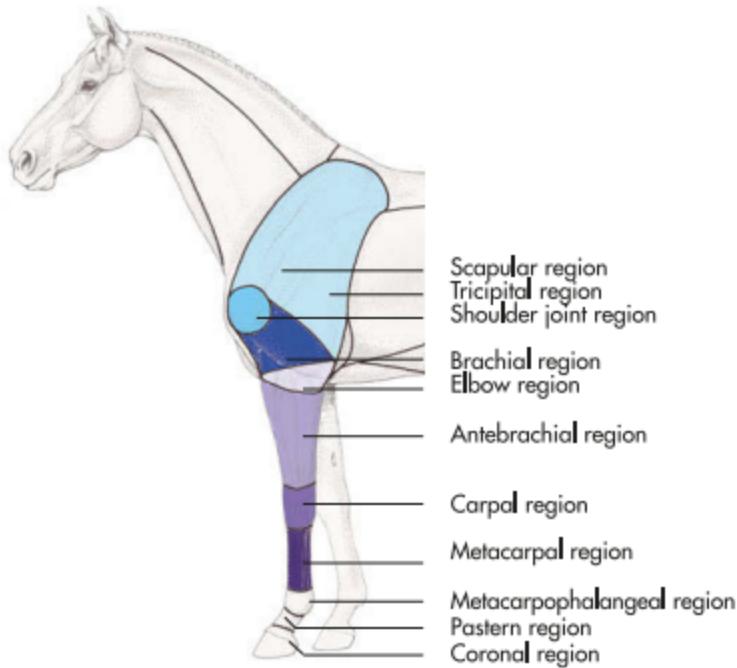
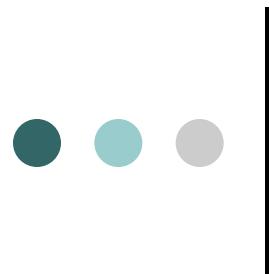


Fig. 20.42 Schematic illustration of the regions on the front leg in the horse (lateral view).



Articulatio humeri

- **M. supraspinatus**
- **M. infraspinatus**
- **M. deltoideus**
- **M. teres minor**

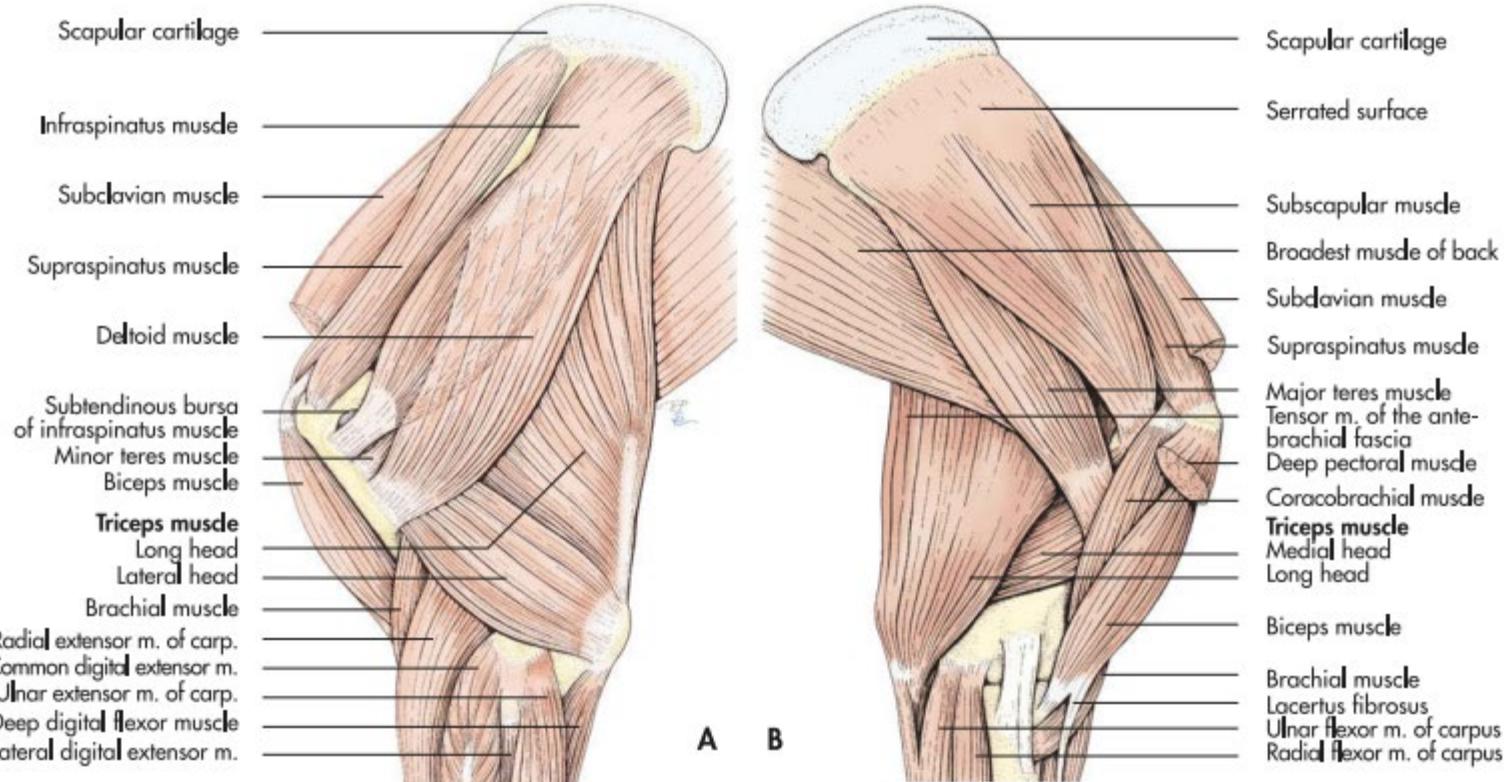


Fig. 4.81 Muscles of the left shoulder and elbow joint of the horse: (A) lateral and (B) medial aspect (schematic).

- M. teres major
- M. subscapularis
- M. coracobrachialis

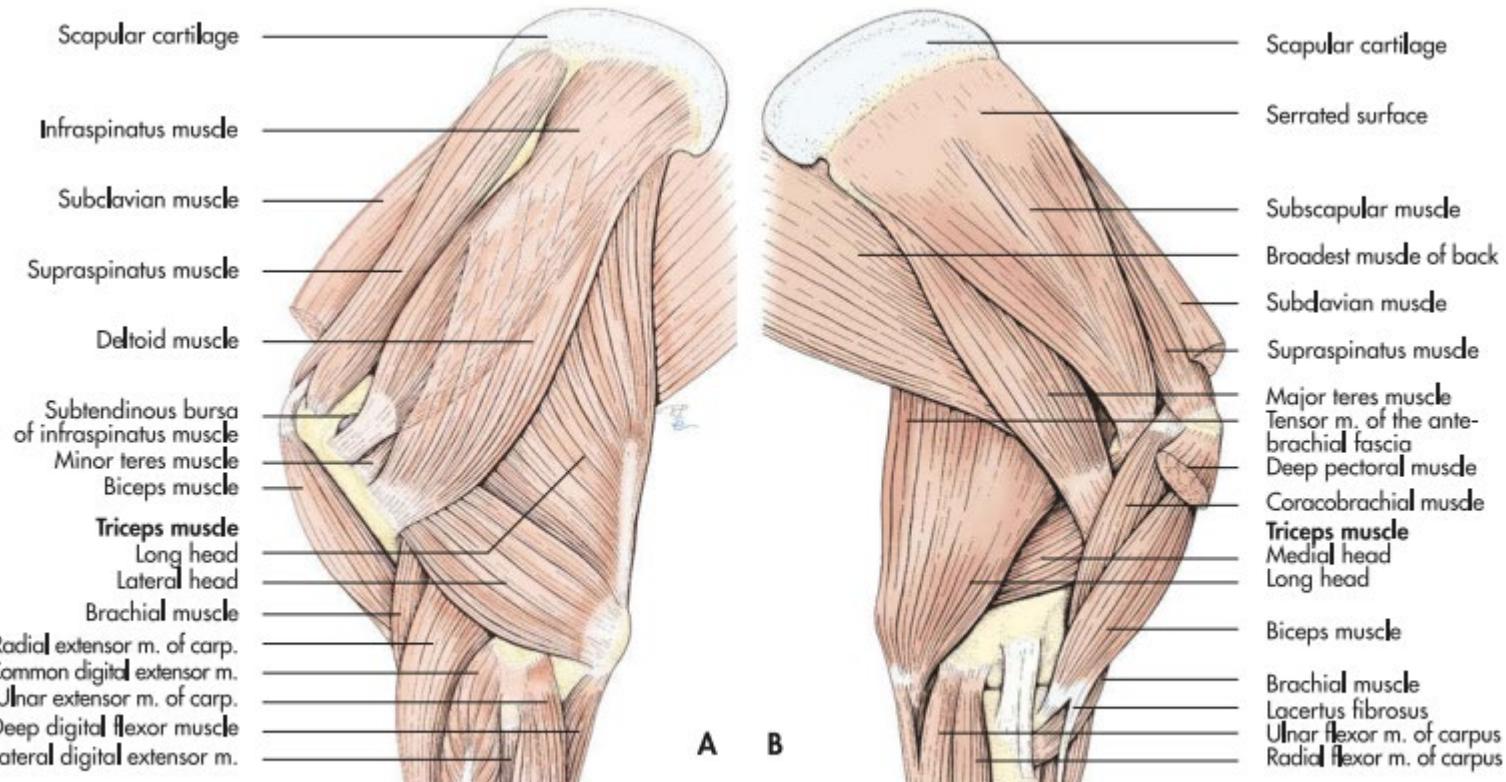


Fig. 4.81 Muscles of the left shoulder and elbow joint of the horse: (A) lateral and (B) medial aspect (schematic).

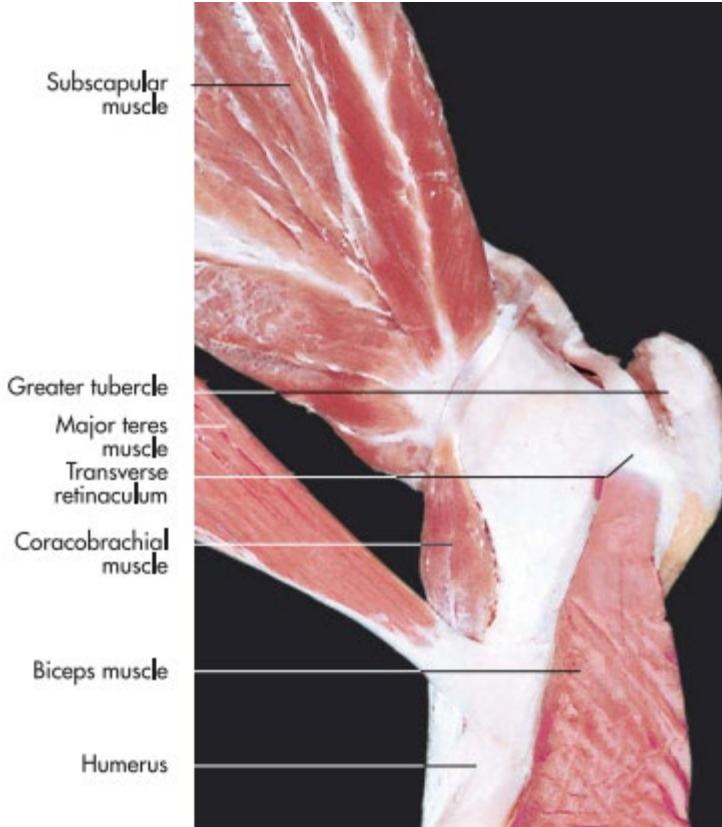
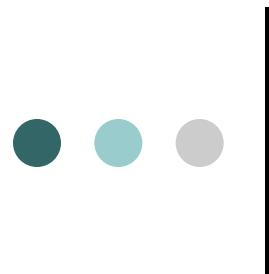


Fig. 4.82 Muscles of the left shoulder joint of a dog (medial aspect).



Articulatio cubiti

- **M. triceps brachii**
- **M. biceps brachii**
- **M. tensor fasciae antebrachii**
- **M. brachialis**
- **M. anconeus**

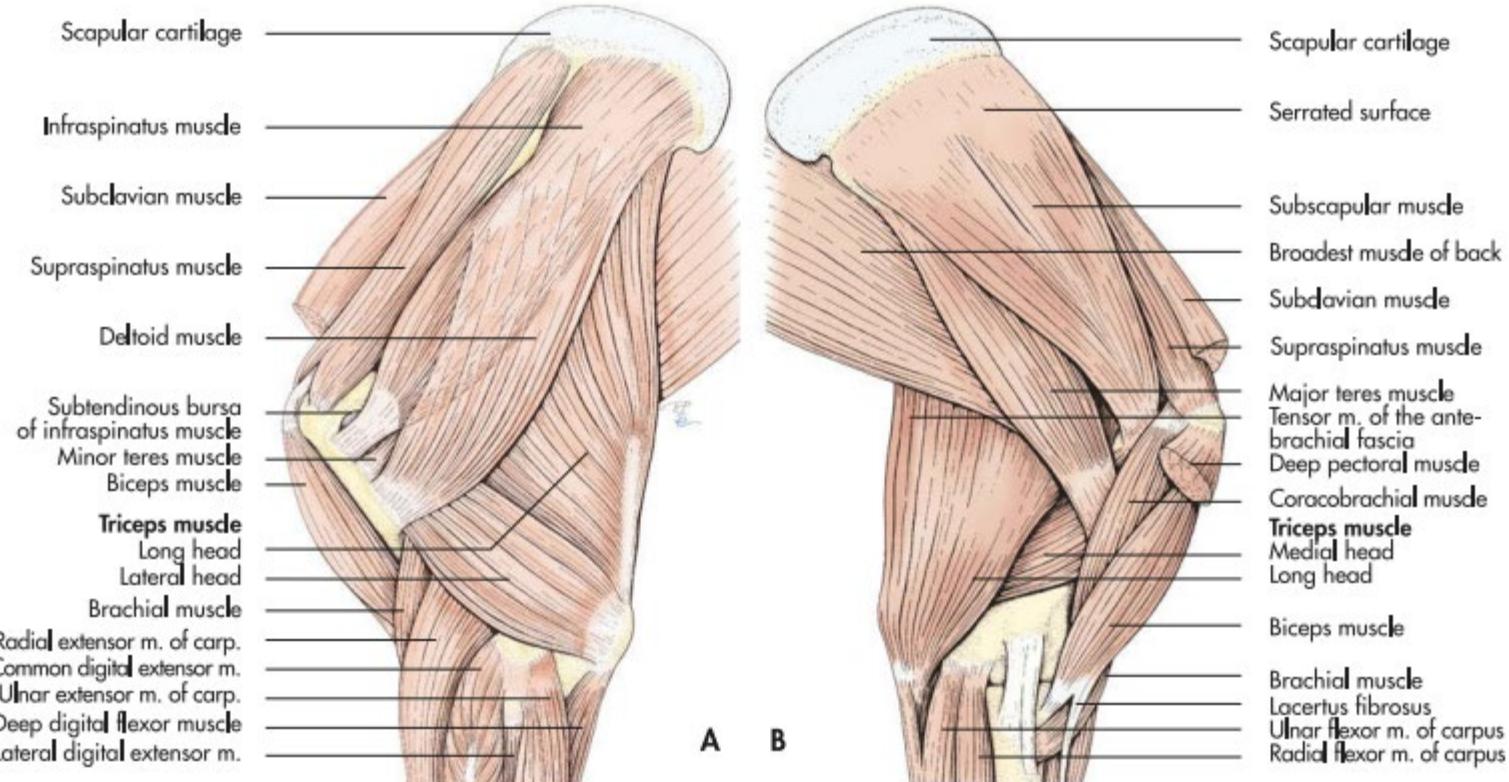
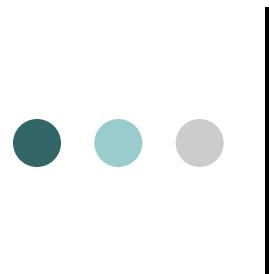


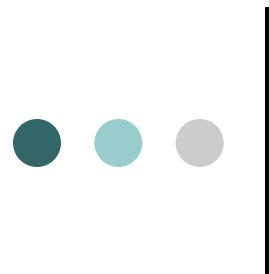
Fig. 4.81 Muscles of the left shoulder and elbow joint of the horse: (A) lateral and (B) medial aspect (schematic).



Articulatio radioulnaris

- **M. supinator**
- **M. brachioradialis**

- **M. pronator teres**
- **M. pronator quadratus**



Regio antebrachii

- M. extensor carpi radialis
- M. extensor digitalis communis
- M. extensor digitalis lateralis
- M. extensor carpi ulnaris
- M. abductor pollicis longus

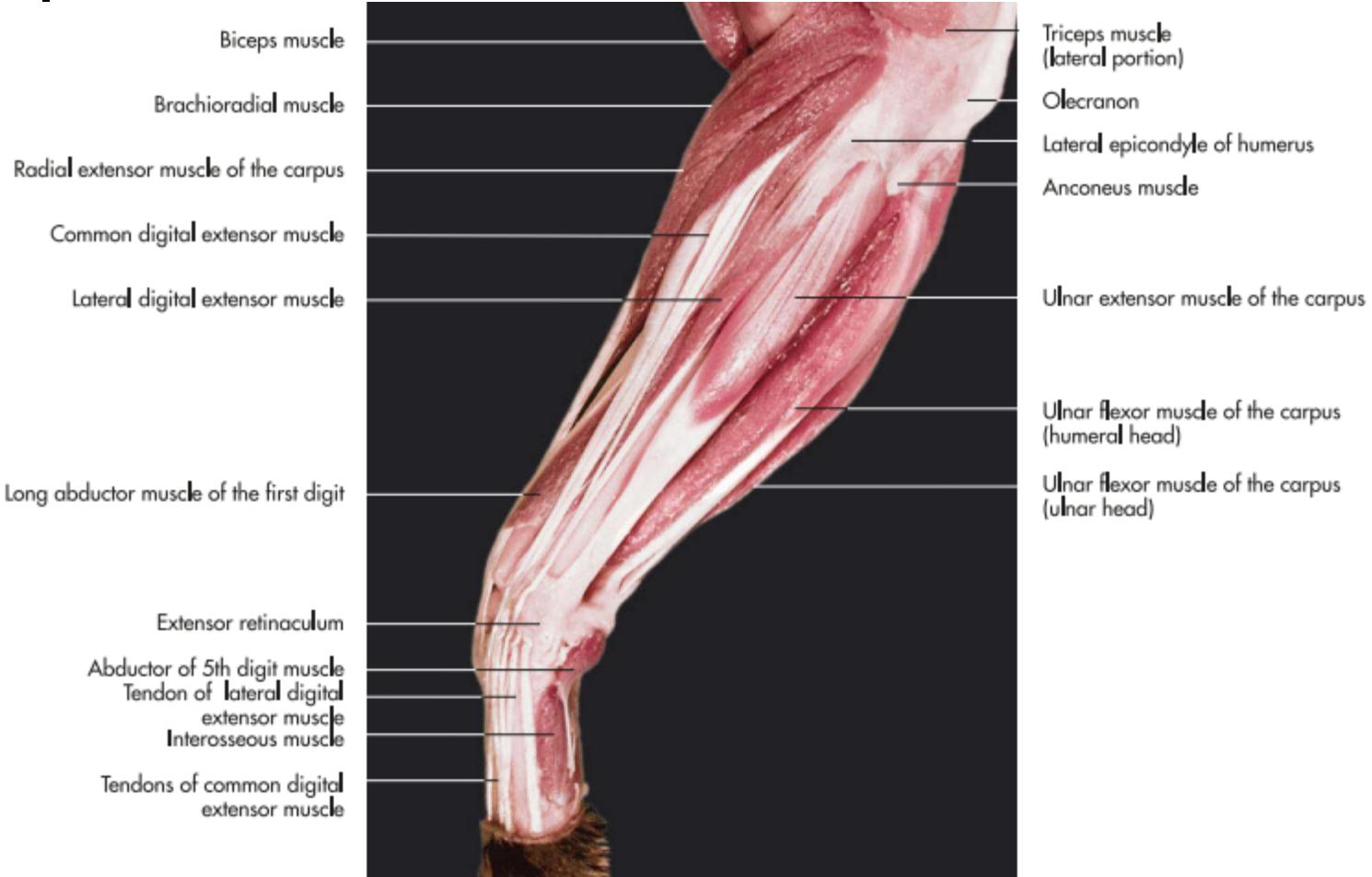
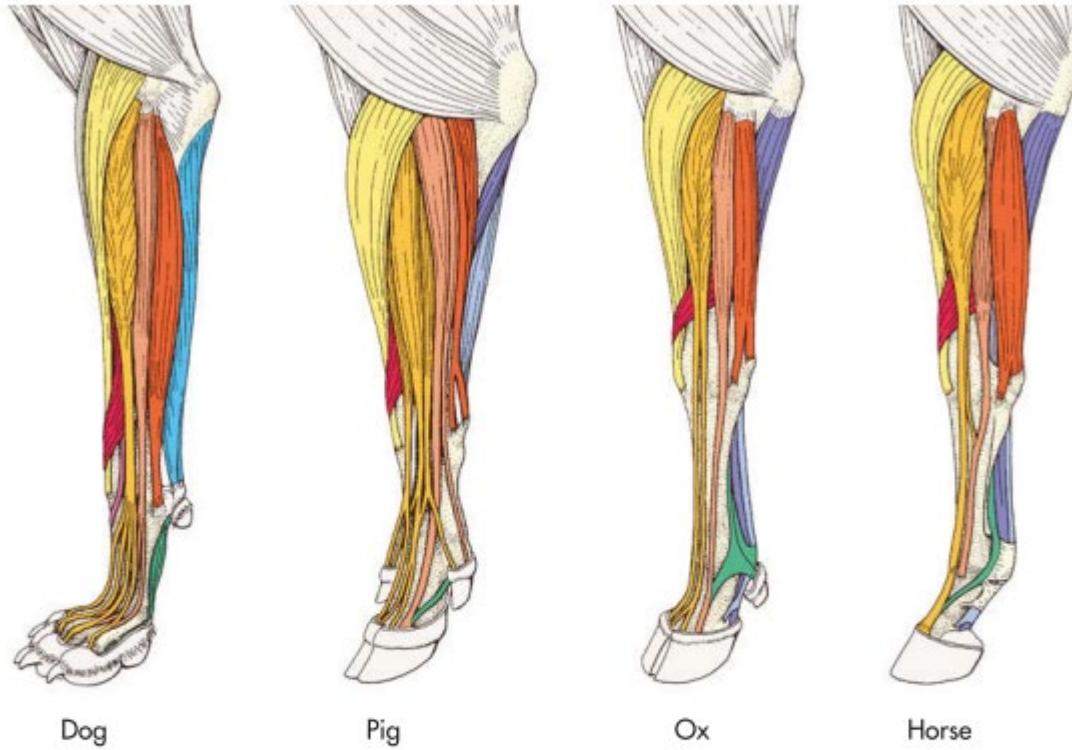
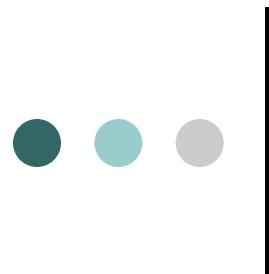


Fig. 4.87 Muscles of the antebrachium (lateral aspect, distal portion). (source: courtesy of Andrea Köllensperger, Munich)



- | | | |
|---|--|------------------------------------|
| Yellow: Radial extensor muscle of the carpus | Pink: Long abductor muscle of the first digit | Purple: Deep digital flexor muscle |
| Orange: Common digital extensor muscle | Light pink: Long extensor muscle of the 1st and 2nd digits (dog) | Green: Interosseous muscle |
| Red-orange: Lateral digital extensor muscle | Cyan: Ulnar flexor muscle of the carpus | Grey: Brachioradial muscle |
| Dark red: Ulnar extensor muscle of the carpus | Blue: Superficial digital flexor muscle | |

Fig. 4.90 Muscles of the antebrachium (schematic, lateral aspect); fig. based on data from Ellenberger and Baum, 1943.



Regio antebrachii

- M. flexor carpi radialis
- M. flexor carpi ulnaris
- M. flexor digitalis superficialis
- M. flexor digitalis profundus

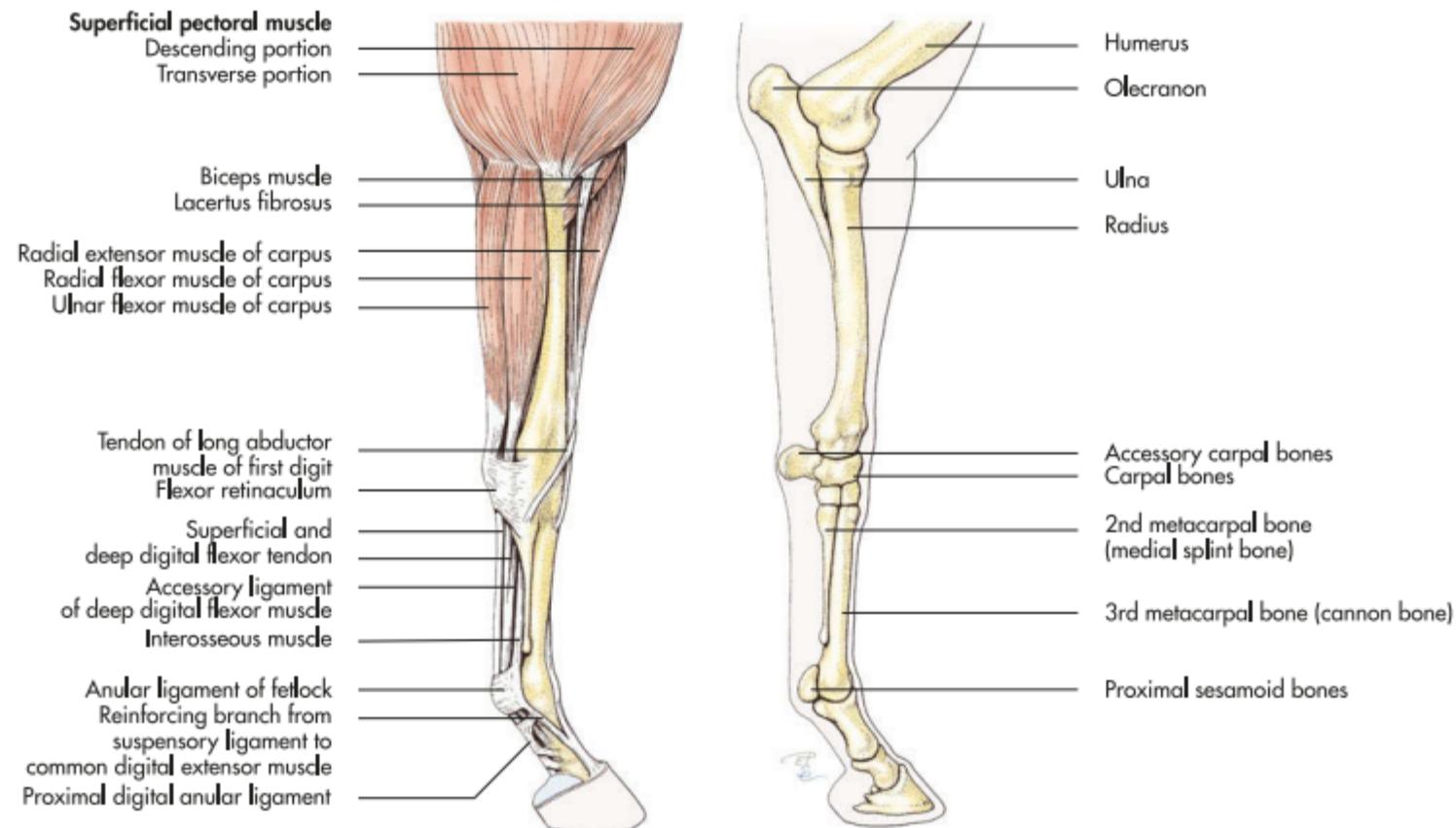


Fig. 4.99 Muscles and skeleton of the carpus and digit of the horse (schematic, medial aspect).

- Mm. interossei
- Mm. lumbricales
- M. flexor digitorum brevis

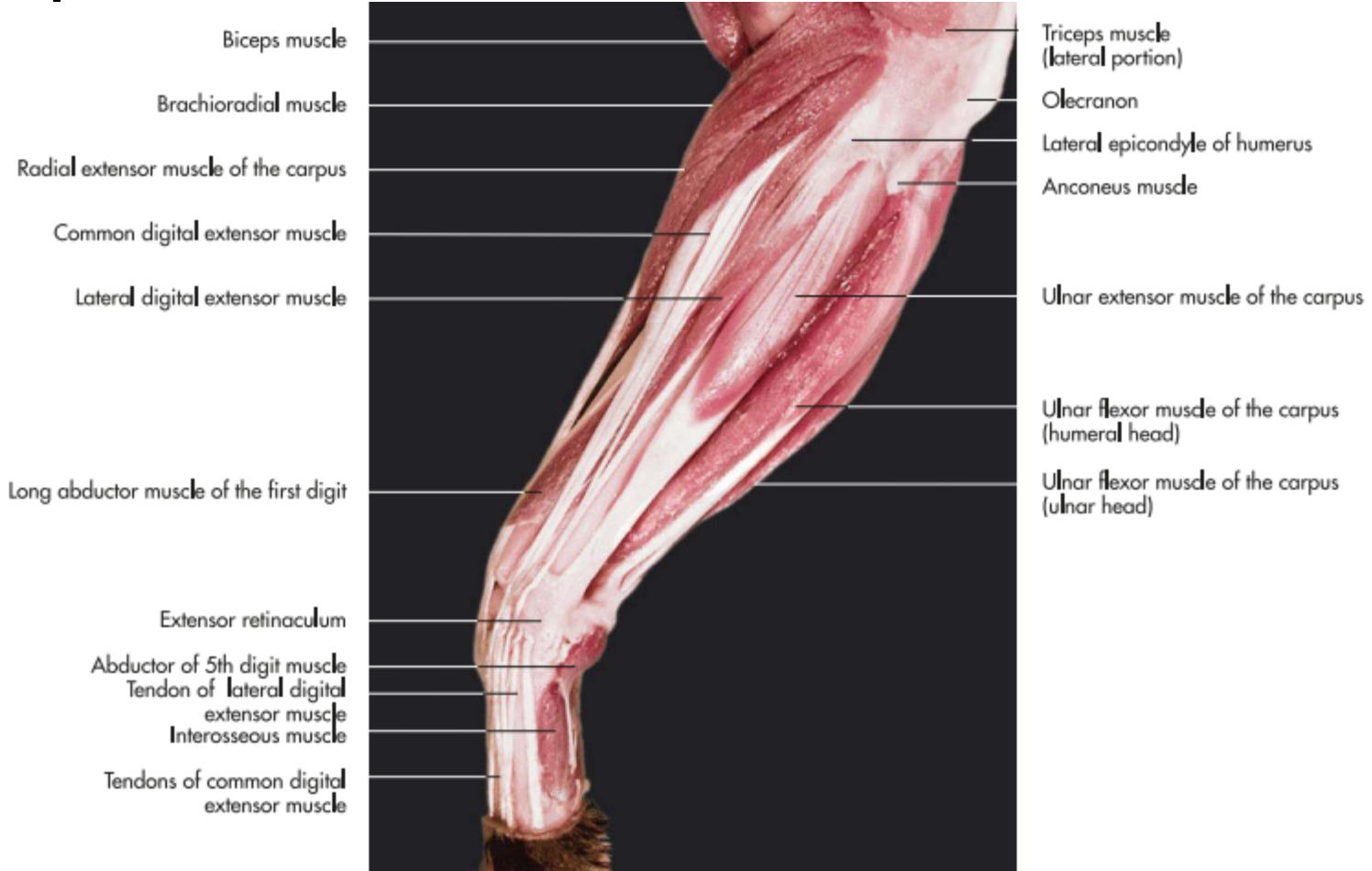
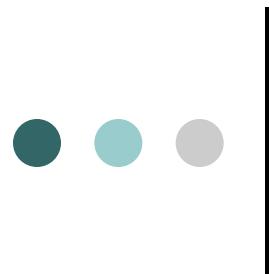


Fig. 4.87 Muscles of the antebrachium (lateral aspect, distal portion). (source: courtesy of Andrea Köllensperger, Munich)



Arteriae

- A. axillaris
- A. brachialis
- A. mediana
- A. digitalis palmaris communis II (eq)
- Aa. digitales palmares communes II – IV (Ru, su)
- Aa. digitales palmares communes I – IV (ca)
- A. digitalis palmaris medialis et lateralis

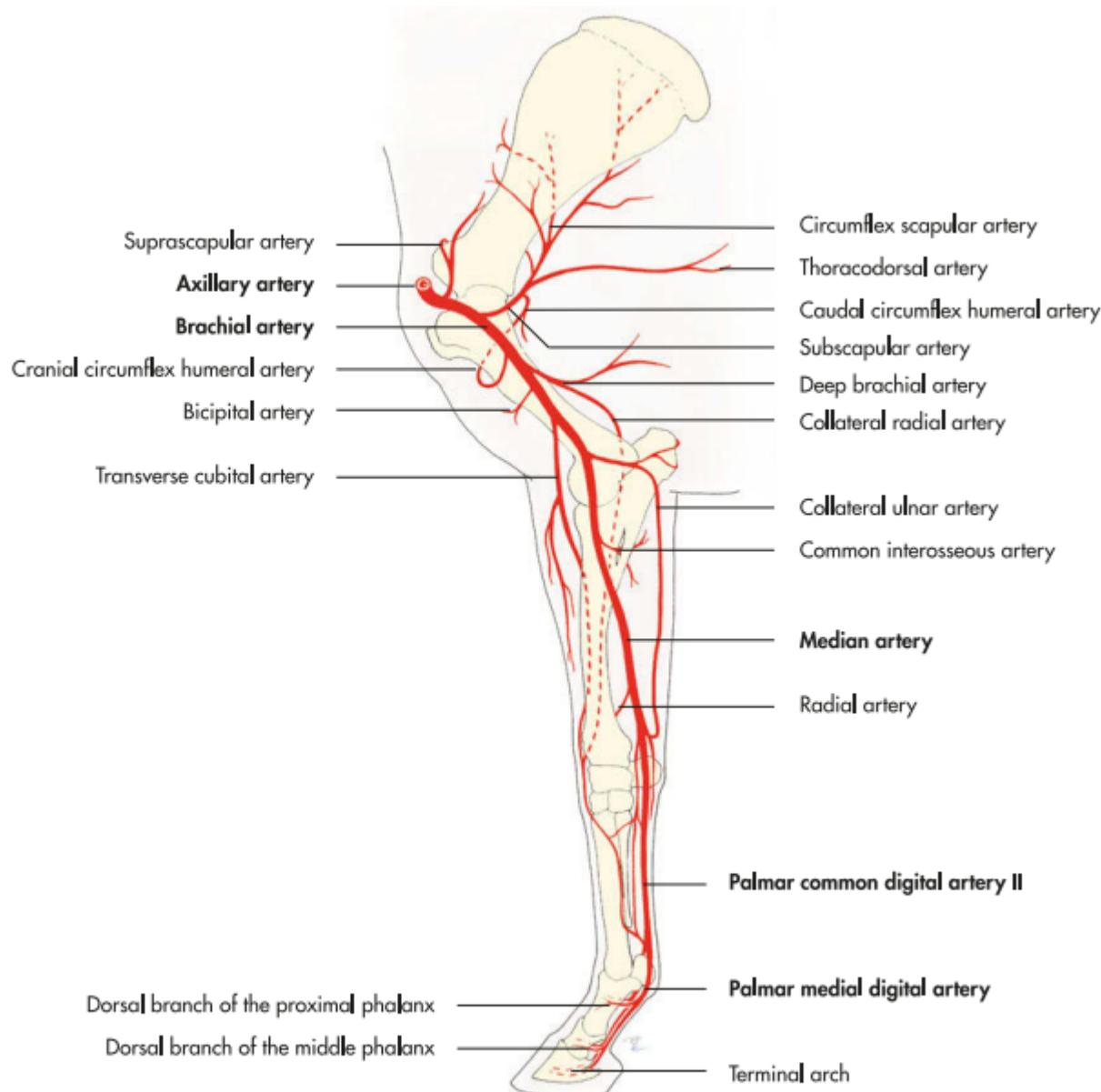


Fig. 13.17 Arteries of the thoracic limb of the horse (schematic, medial aspect); fig. based on data from Ellenberger and Baum, 1943.



Venae

- Površni venski sistem: V. cephalica
- Duboki venski sistem: V. subclavia

- **V. cephalica**
- **V. subclavia**
- **V. axillaris**
- **V. brachialis**
- **V. mediana**
- **Vv. metacarpeae palmares II et III (eq)**
- **Vv. metacarpeae palmares II et IV (Ru, su)**
- **Vv. metacarpeae palmares I-IV (Car)**
- **Vv. digitales palmares communes**

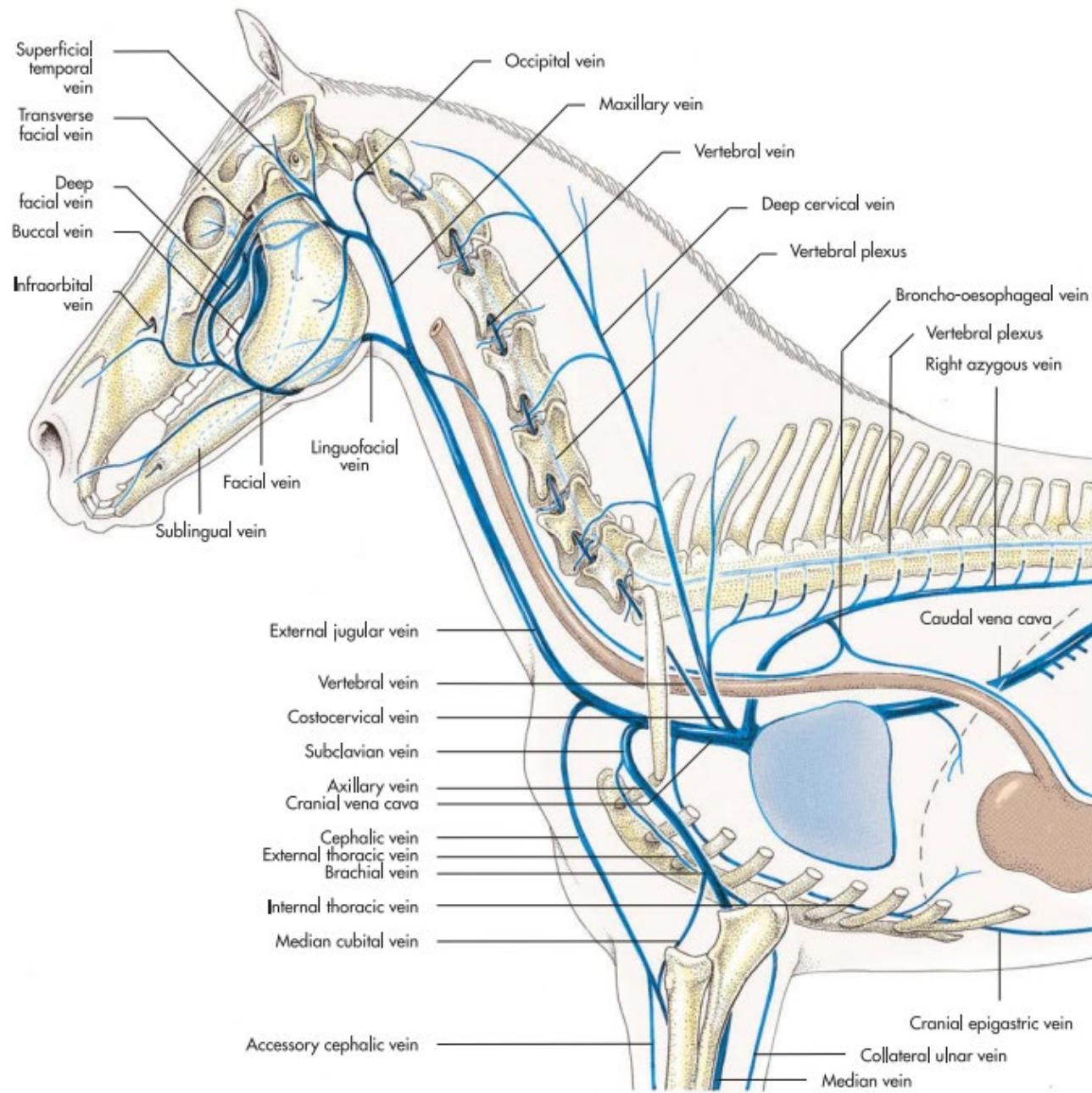
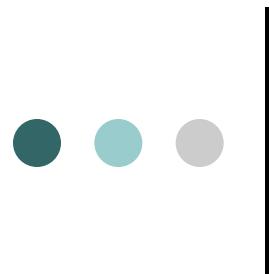


Fig. 13.26 Larger veins of the head, neck and the thoracic limbs and the tributaries to the cranial vena cava of the horse (schematic, simplified).



Limfni sistem

- **Lc. axillare:**
- **Lnn. axillares proprius**
- **Lnn. axillares primae costae**
- **Lnn. axillares accessorii**
- **Lnn. cubitales**
- **Ln. infraspinatus**

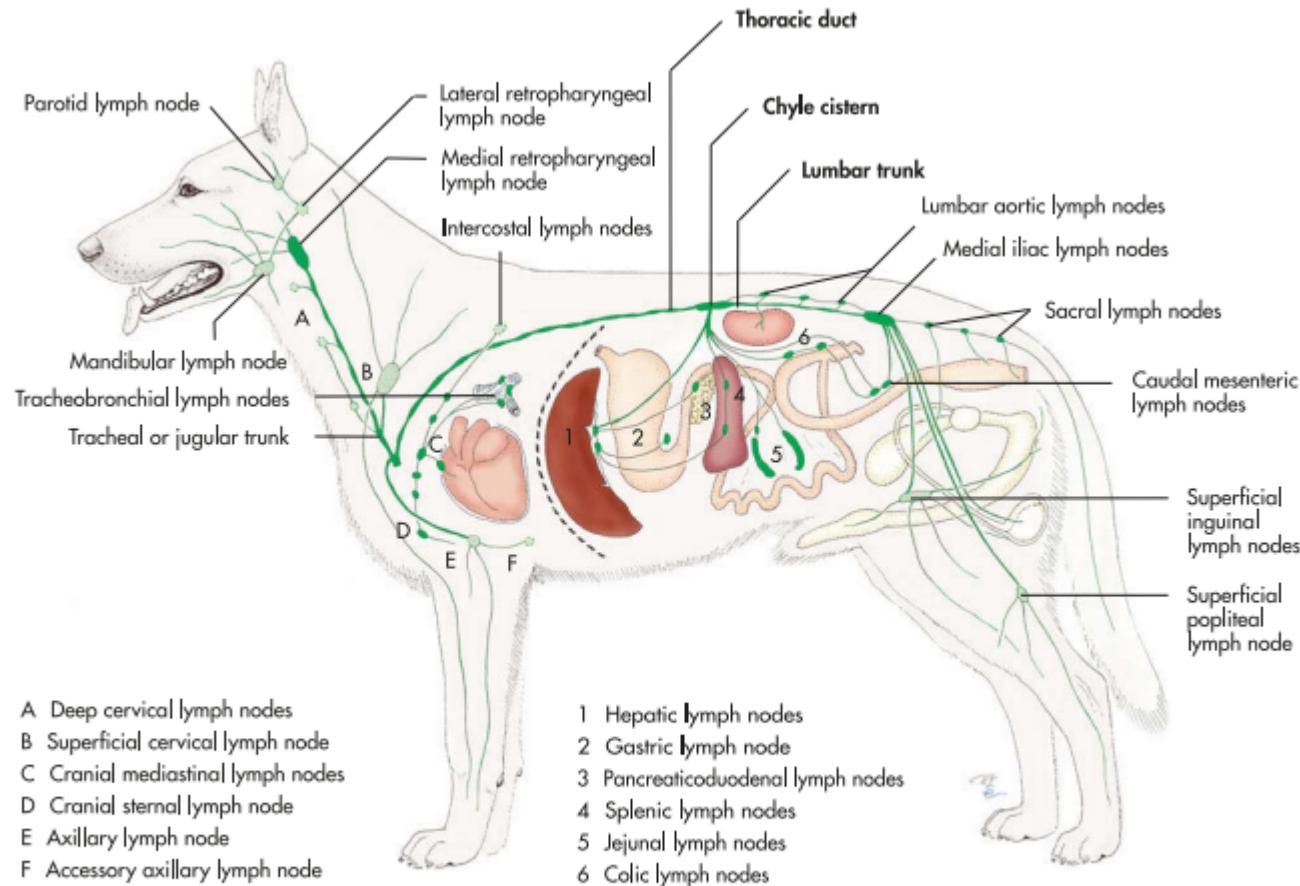


Fig. 14.12 Lymphatic system of the dog (schematic); fig. based on data from Budras, Fricke and Richter, 1996.

Plexus brachialis

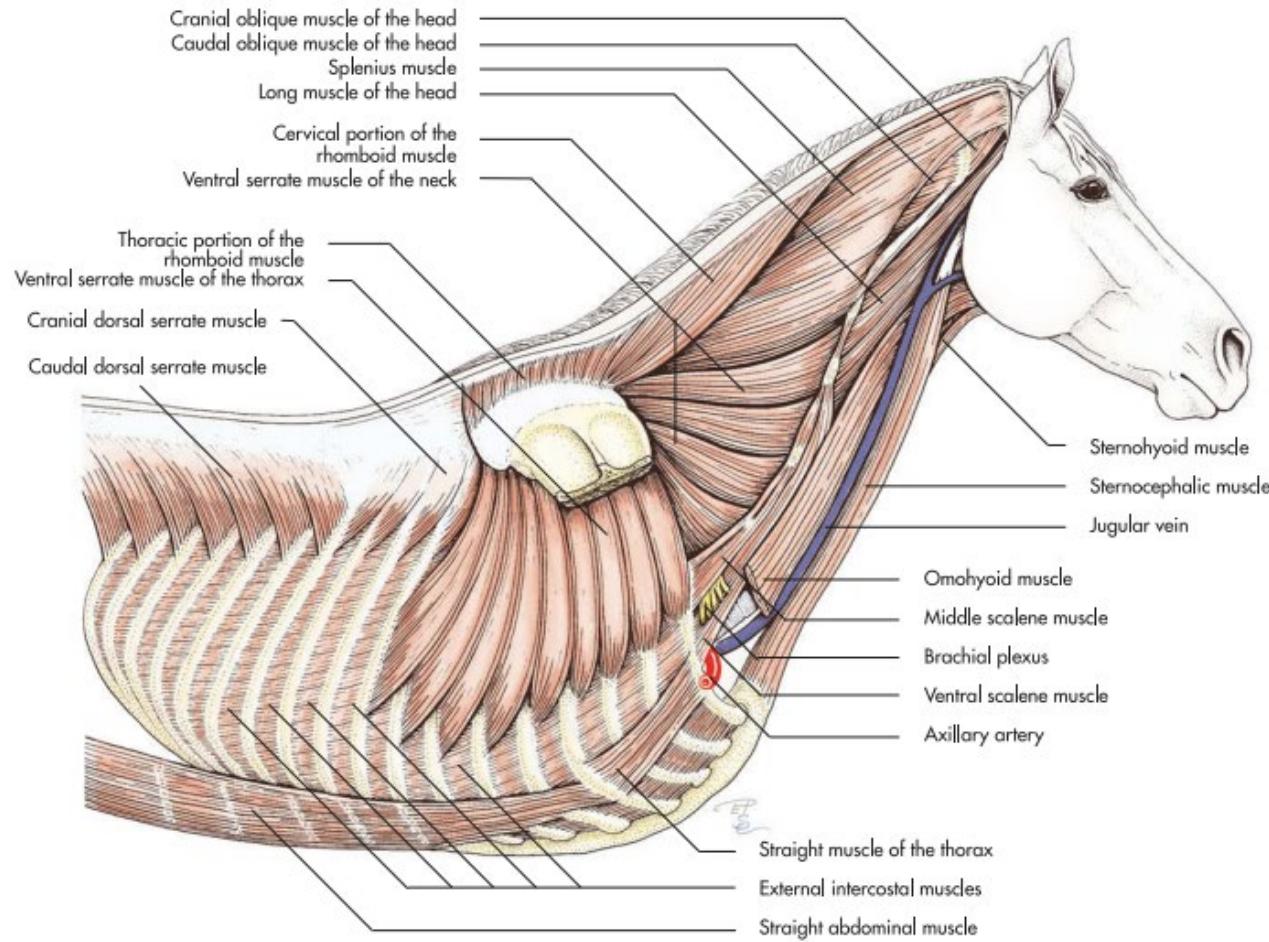


Fig. 3.12 Superficial muscles of the trunk of the horse (schematic); fig. based on data from Ghetie, 1954.

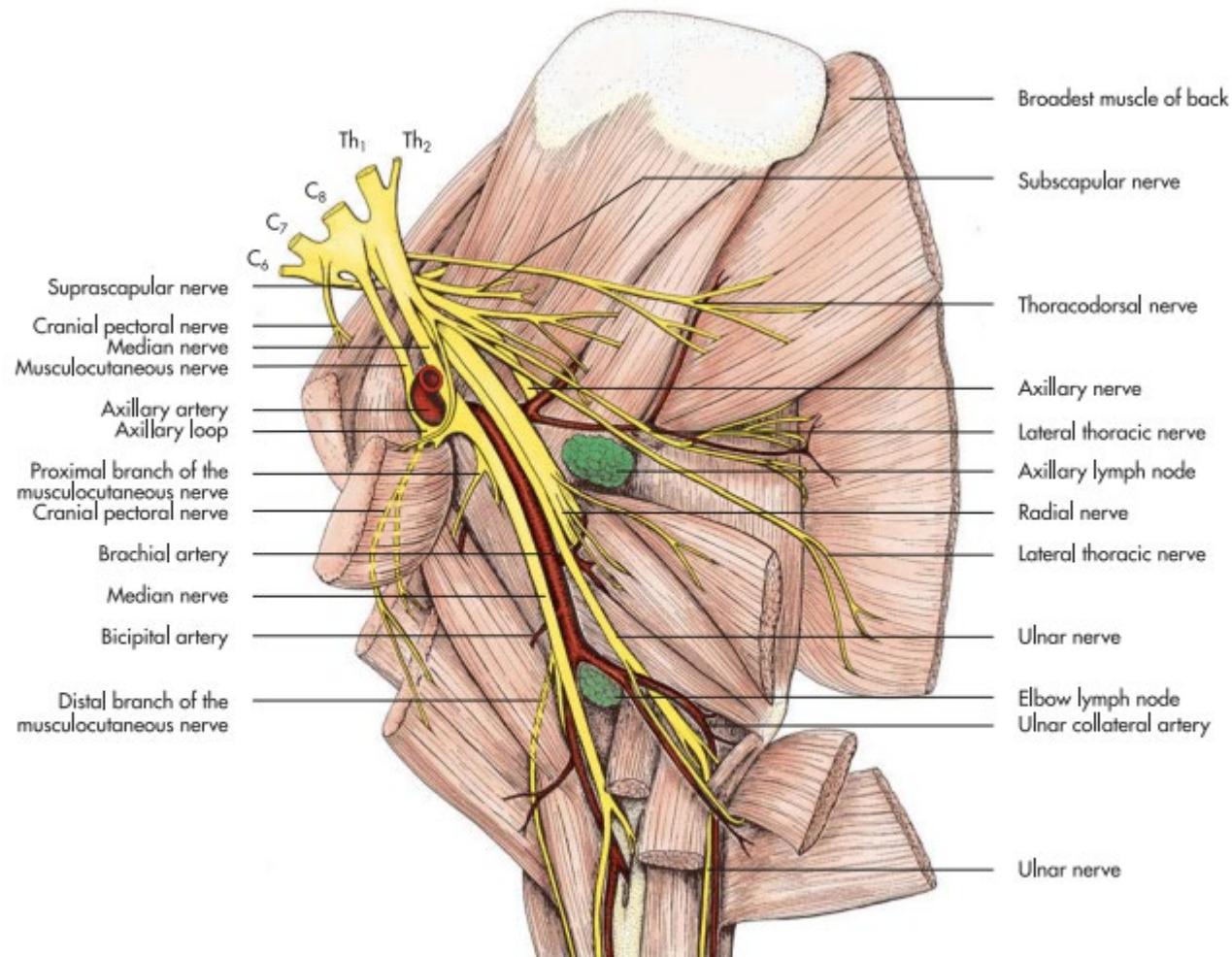
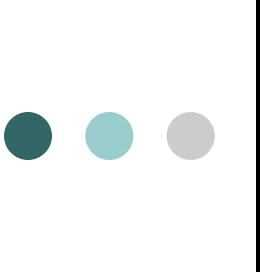


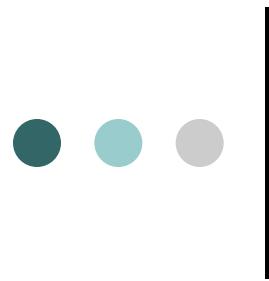
Fig. 15.61 Brachial plexus of the right thoracic limb of the horse (schematic, medial aspect).

- 
- **N. thoracicus longus**
 - **m. serratus ventralis (pars thoracica)**

- N. thoracodorsalis
- m. latissimus dorsi

- **N. thoracicus lateralis**
- **m. cutaneus trunci**

- N. suprascapularis
- m. supraspinatus et infraspinatus

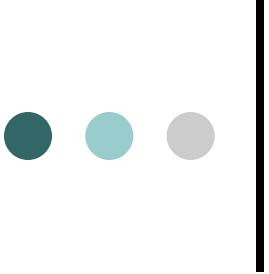


- **Nn. subscapulares**

- **m. subscapularis**

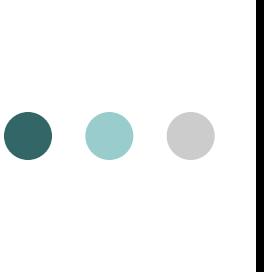
- **N. musculocutaneus**
- **m. coracobrachialis, m. biceps brachii, m. brachialis**

- Nn. pectorales craniales
- m. pectoralis superficialis, m. subclavius
(eq)



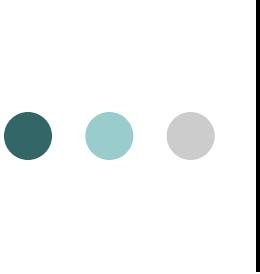
- **Nn. pectorales caudales**

- **m. pectoralis profundus**



○ N. axillaris

- **m. deltoideus, m. teres major, m. teres minor
et m. cleidobrachialis**



○ N. radialis

- **Sve ekstenzore pred. ekstremiteta, osim
ramenog zgloba**

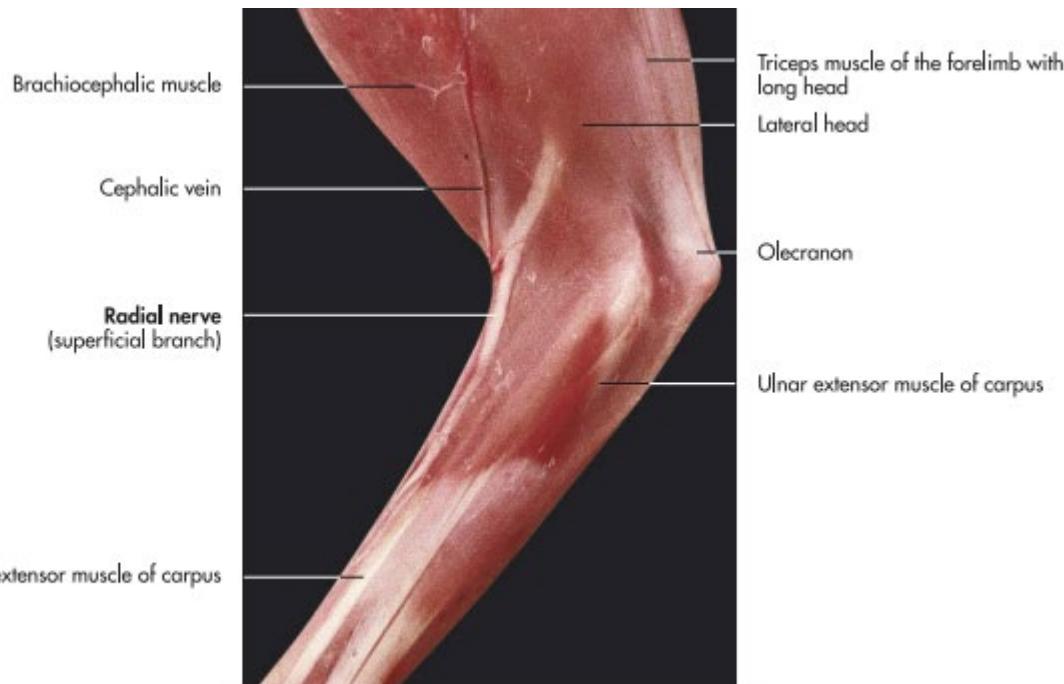
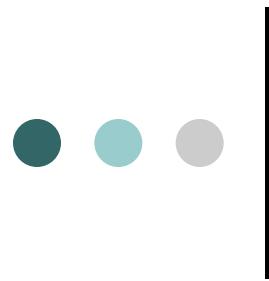
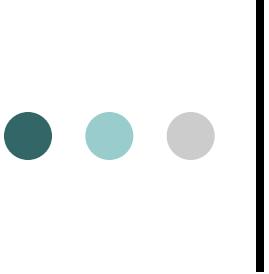


Fig. 15.62 Left forelimb of a cat, showing the radial nerve (lateral aspect).



○ N. medianus

- **m. flexor carpi radialis, m. flexor dig. superficialis et profundus**



○ N. ulnaris

- **m. flexor carpi ulnaris, m. flexor dig. superficialis et profundus, mm. interossei**