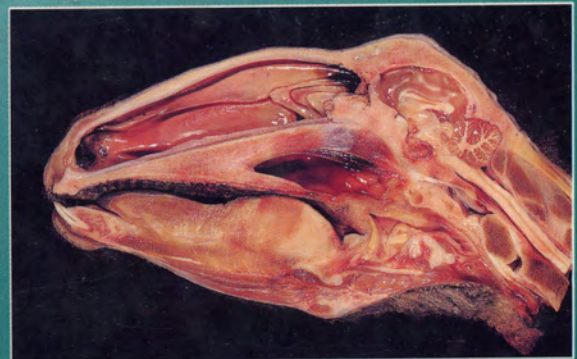
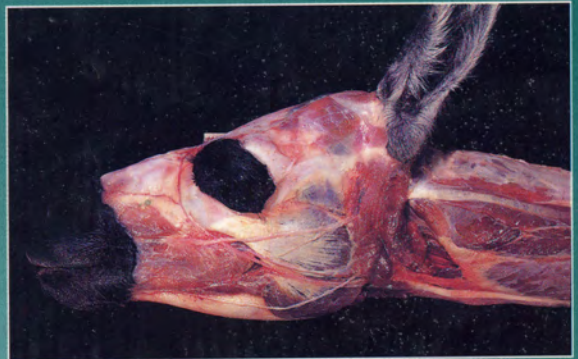
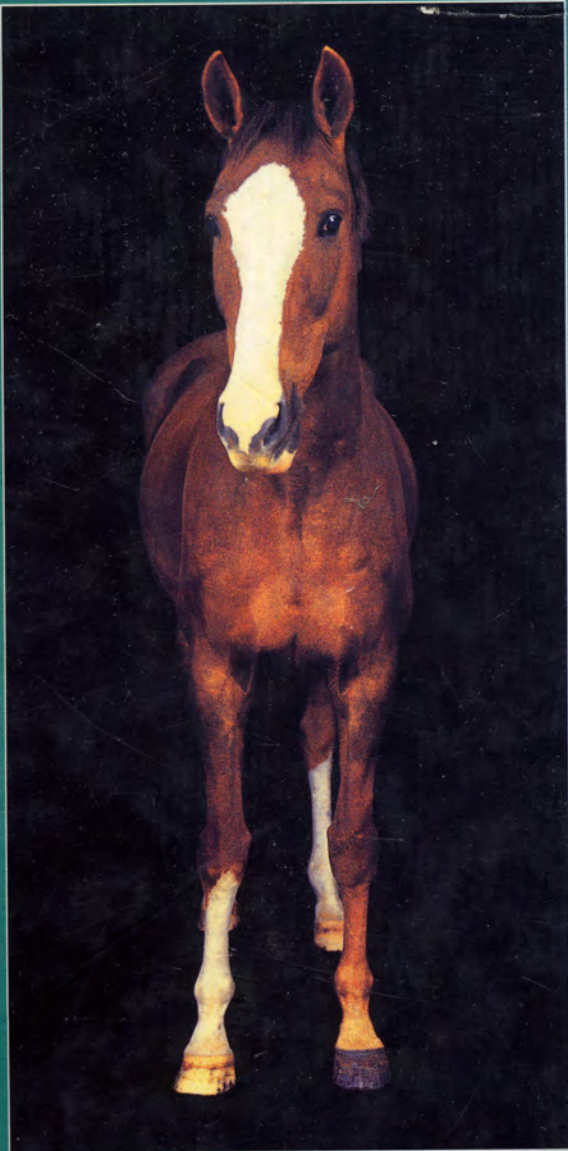


Color Atlas of

LARGE ANIMAL APPLIED ANATOMY

Hilary M Clayton • Peter F Flood



1 Introduction

This atlas contains anatomical photographs of five large domestic herbivores, the horse (*Equus caballus*), the ox (*Bos taurus*), the sheep (*Ovis aries*), the llama (*Lama glama*) and the pig (*Sus scrofa*). It is not intended to be a substitute for a conventional anatomical reference book, of which there are several; instead it is an illuminating companion to the texts for those starting on their anatomical studies and a source of insight and specialized information for the more advanced reader.

Modern photographic and colour printing techniques have been exploited to provide the most realistic images possible of prepared bones and rapidly dissected, unfixed tissues, giving detailed conceptual information that cannot be readily obtained by other means. Some structures, such as the abdominal viscera, deteriorate rapidly in the fresh state and in these cases we have given high priority to the accurate portrayal of colour and texture, and been content with relatively simple dissections.

The study of anatomy takes as its subject the form and relationships of the parts of bodies. Communication between anatomists is facilitated by the use of agreed standardized terms and a list of these has been developed and periodically revised by the International Committee on Veterinary Anatomical Nomenclature. The list, which forms a small book, is known as the *Nomina Anatomica Veterinaria* (NAV)¹ and it provides general descriptive terms applicable to all vertebrates, and specific terms related to the structure of the domestic animals. During the preparation of the

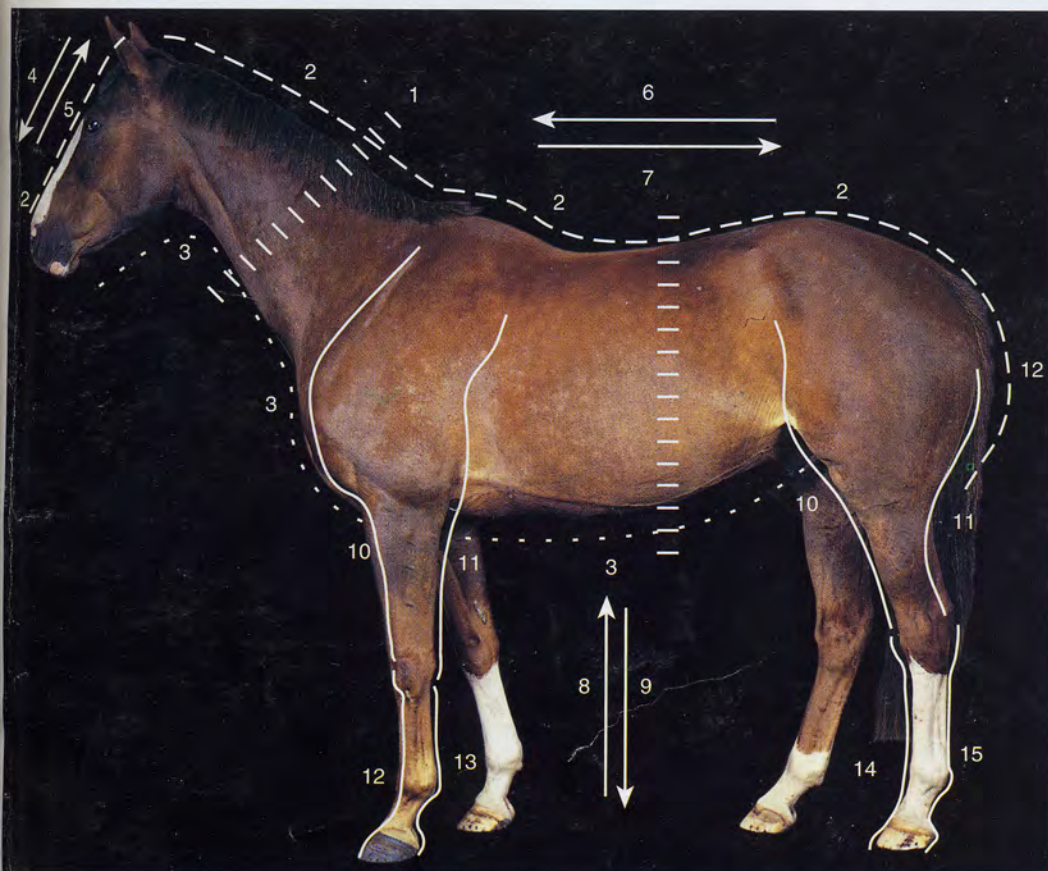
NAV, every effort has been made to maximize conformity between human and domestic animal nomenclatures but because veterinary terminology must be based on the normal quadrupedal stance rather than the erect human position, there are distinct differences in the terms used for direction. The veterinary terms are related to parts of the body, the blood that flows towards the head is said to flow cranially and that which flows towards the tail flows caudally. The directional terms are described in detail in this introduction using annotated photographs of a horse.

Whenever possible, each anatomical concept is defined in Latin in the NAV by a short, simple term with instructive and descriptive value. Anatomists are encouraged to translate the original Latin terms into their own languages unless this leads to obvious ambiguity. In general, anglicized terms have been used in this Atlas, although the Latin terms have been retained for muscles. When a structure has a synonym or well-known name in common usage, it is shown in brackets.

Unfortunately the NAV is not yet universal and it does not, for example, provide detailed terms for the stomach of the llama. Thus for this structure our terminology was derived from that used by Vallenás *et al.*²

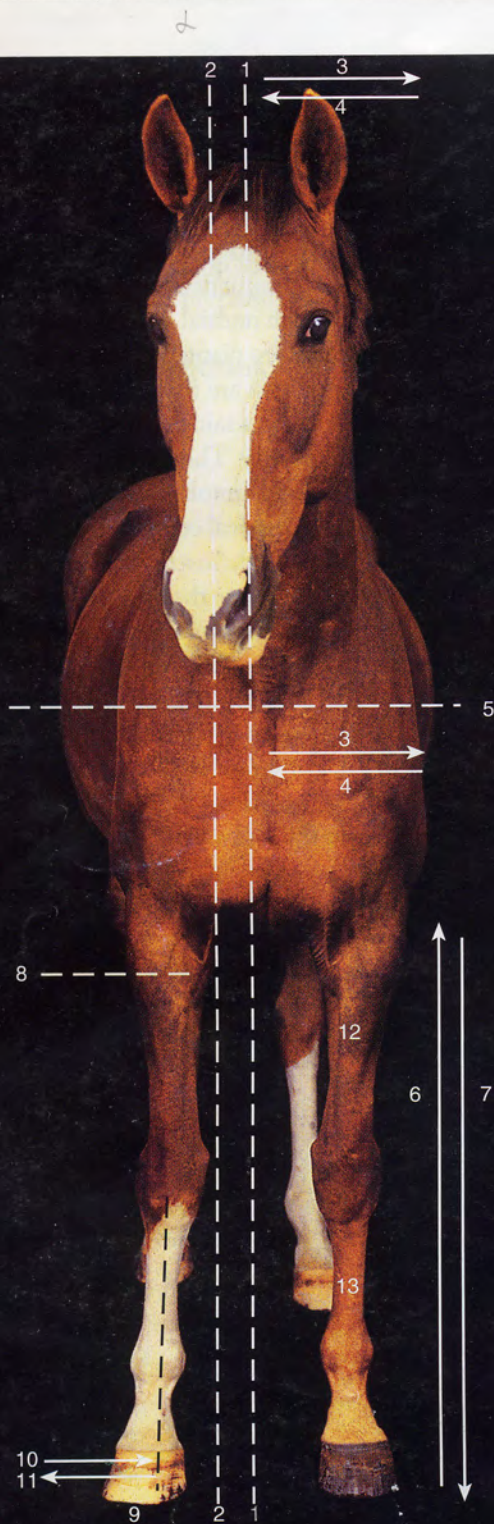
1. *Nomina Anatomica Veterinaria* (1983, 3rd edition). International Committee on Veterinary Gross Anatomical Nomenclature, Ithaca, New York.

2. Vallenás, A., Cummings, J.F. and Munnell, J.F. (1971). A gross study of the compartmentalized stomach of two New World camelids, the llama and guanaco. *Journal of Morphology*, 134, 399–424.



1. Live horse, lateral view. Topographical terms.

- | | |
|-------------------------------------|------------------------------|
| 1 Transverse plane – neck, trunk | 7 Caudal – neck, trunk, tail |
| 2 Dorsal – head, neck, trunk, tail | 8 Proximal – limb |
| 3 Ventral – head, neck, trunk, tail | 9 Distal – limb |
| 4 Rostral – head | 10 Cranial – proximal limb |
| 5 Caudal – head | 11 Caudal – proximal limb |
| 6 Cranial – neck, trunk, tail | 12 Dorsal – manus |
| | 13 Palmar – manus |
| | 14 Dorsal – pes |
| | 15 Plantar – pes |



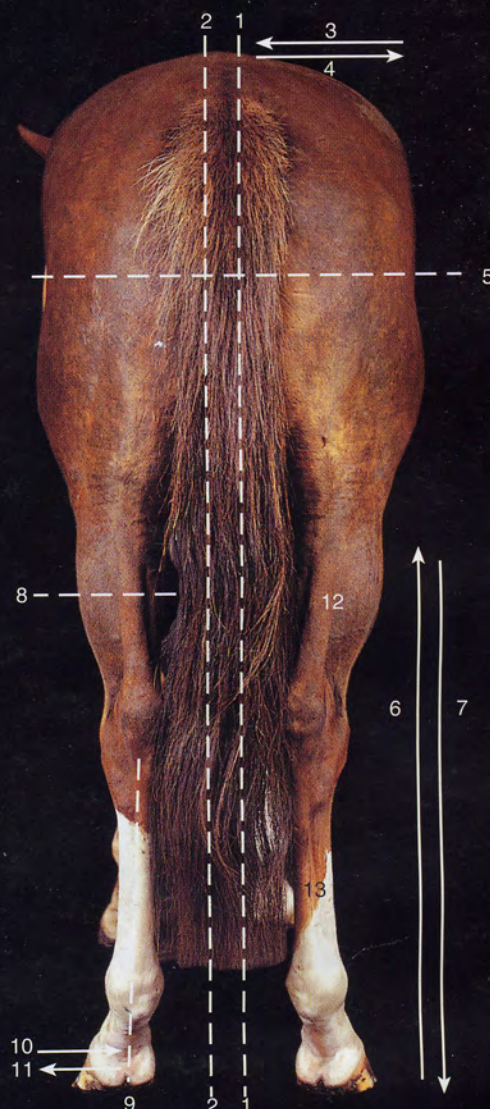
2. Live horse, frontal view. Topographical terms.

Head, neck, trunk

- 1 Median plane
- 2 Sagittal plane
- 3 Lateral
- 4 Medial
- 5 Dorsal plane

Limbs

- 6 Proximal
- 7 Distal
- 8 Transverse plane
- 9 Axial plane
- 10 Axial
- 11 Abaxial
- 12 Cranial
- 13 Dorsal



3. Live horse, caudal view. Topographical terms.

Head, neck, trunk

- 1 Median plane
- 2 Sagittal plane
- 3 Lateral
- 4 Medial
- 5 Dorsal plane

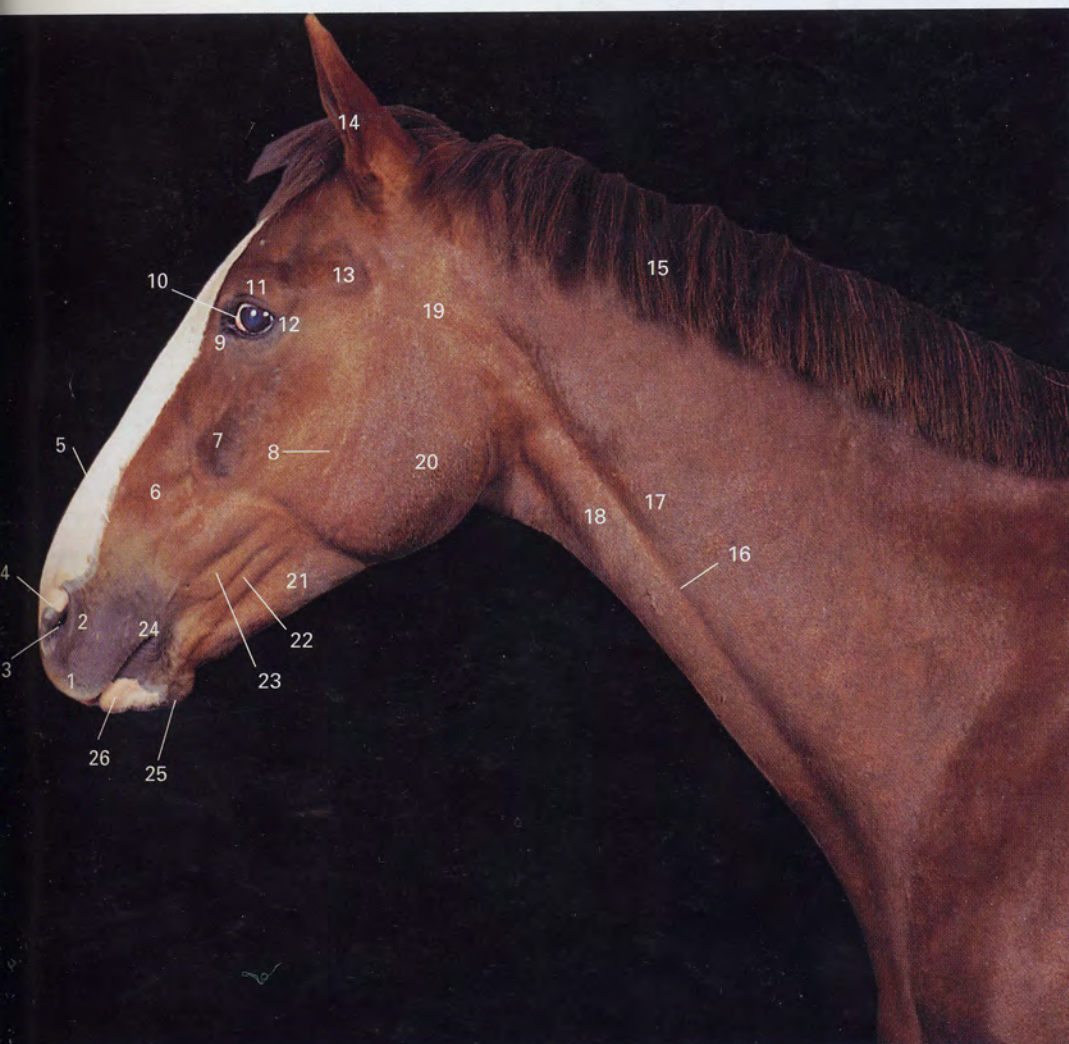
Limbs

- 6 Proximal
- 7 Distal
- 8 Transverse plane
- 9 Axial plane
- 10 Axial
- 11 Abaxial
- 12 Caudal
- 13 Plantar

2 Head

In this chapter palpable landmarks are indicated on photographs of live animals, osteological features are shown on bone specimens, and soft tissue structures are revealed using a series of prepared dissections. Topographical

relationships between the bones and soft tissue structures are clarified, using specimens that have been sectioned in various orientations, and radiographs.



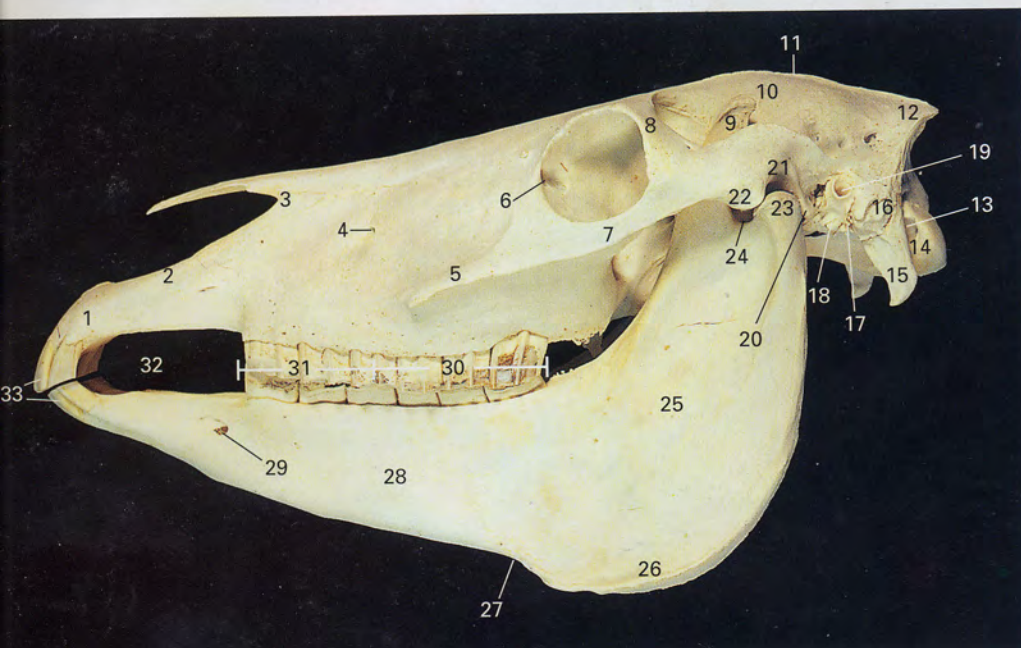
4. Head and neck of live horse, lateral view, demonstrating visible and/or palpable landmarks.

- | | |
|---------------------------------------|----------------------------------|
| 1 Upper lip | 13 Zygomatic arch |
| 2 Cornu of alar cartilage | 14 Pinna |
| 3 Nostril | 15 Mane |
| 4 Lamina of alar cartilage | 16 Jugular groove |
| 5 Nasoincisive notch | 17 M. brachiocephalicus |
| 6 Infraorbital foramen | 18 M. sternocephalicus |
| 7 Facial crest | 19 Parotid gland |
| 8 Facial nerve (VII) | 20 M. masseter |
| 9 Medial commissure of eyelids | 21 Mandible |
| 10 Sclera (unpigmented in this horse) | 22 M. depressor labii inferioris |
| 11 Zygomatic process | 23 M. zygomaticus |
| 12 Lateral commissure of eyelids | 24 Commissure of lips |
| | 25 Chin |
| | 26 Lower lip |



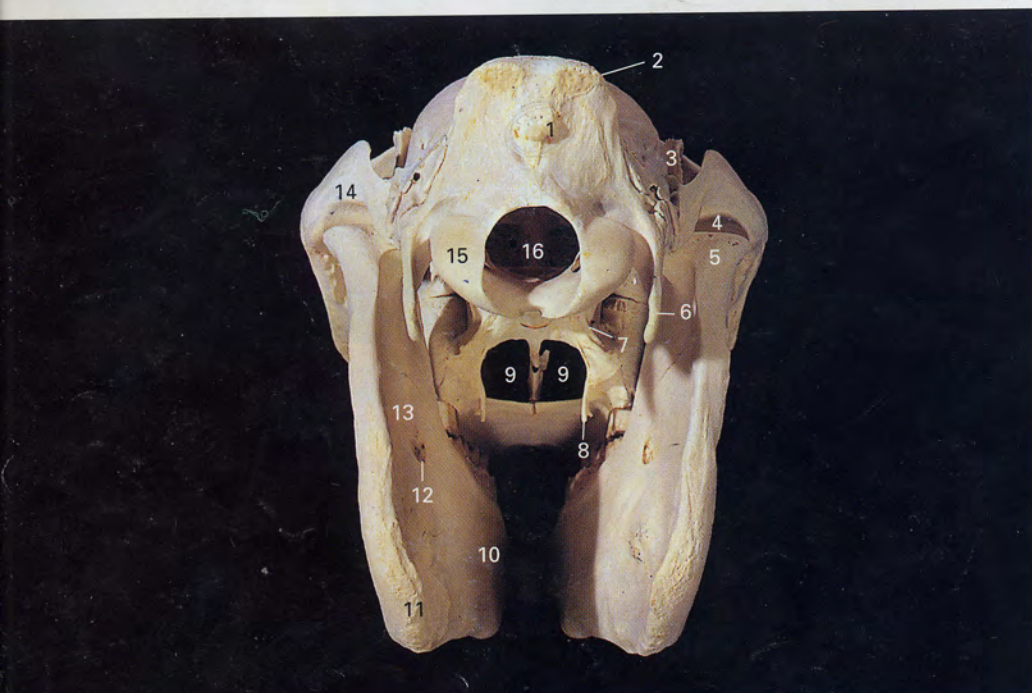
5. Bones of skull of horse, lateral view.

- | | |
|--------------------------------------|----------------------------------|
| 1 Incisive bone | 9 Temporal bone |
| 2 Nasal bone | 10 Parietal bone |
| 3 Maxilla | 11 Interparietal bone |
| 4 Lacrimal bone | 12 Occipital bone, squamous part |
| 5 Zygomatic bone | 13 Occipital bone, lateral part |
| 6 Palatine bone, perpendicular plate | 14 Occipital bone, basilar part |
| 7 Presphenoid bone | |
| 8 Frontal bone | |



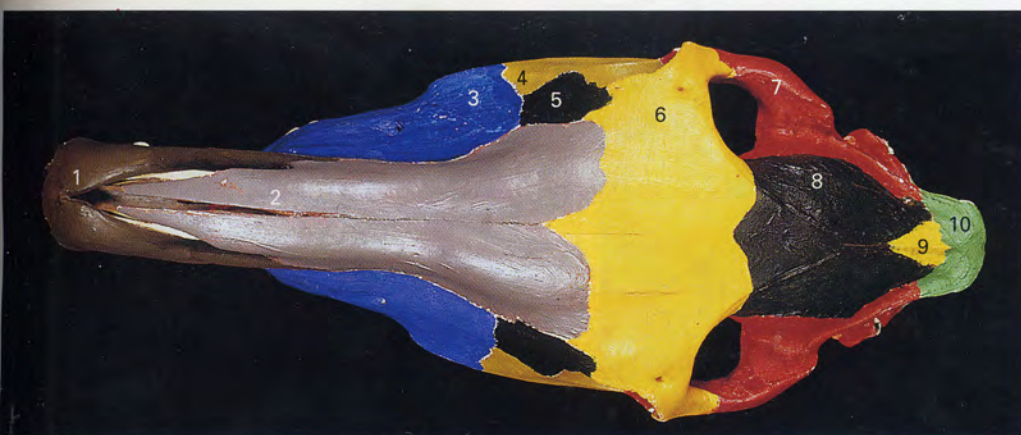
6. Skull and mandible of female horse, lateral view.

- | | |
|-------------------------------------|-----------------------------|
| 1 Body of incisive bone | 17 Styloid process |
| 2 Nasal process of incisive bone | 18 Styloid process |
| 3 Nasoincisor notch | 19 External acoustic meatus |
| 4 Infraorbital foramen | 20 Retroarticular process |
| 5 Facial crest | 21 Mandibular fossa |
| 6 Fossa for lacrimal sac | 22 Articular tubercle |
| 7 Zygomatic arch | 23 Condylar process |
| 8 Zygomatic process of frontal bone | 24 Mandibular notch |
| 9 Coronoid process | 25 Ramus of mandible |
| 10 Temporal fossa | 26 Angle of mandible |
| 11 External sagittal crest | 27 Notch for facial vessels |
| 12 Nuchal crest | 28 Body of mandible |
| 13 Condyloid fossa | 29 Mental foramen |
| 14 Occipital condyle | 30 Molar teeth |
| 15 Paracondylar process | 31 Premolar teeth |
| 16 Mastoid process | 32 Interalveolar border |
| | 33 Incisor teeth |



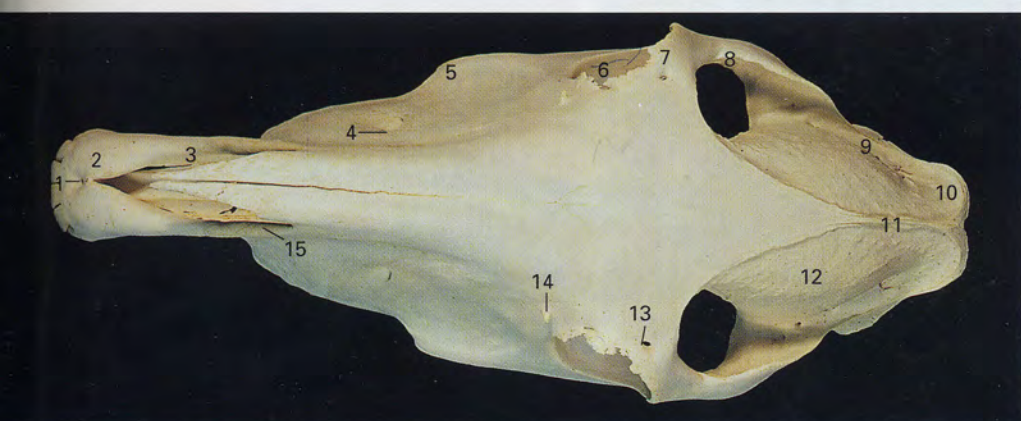
7. Skull and mandible of horse, caudal view.

- | | |
|-----------------------------------|-----------------------|
| 1 External occipital protuberance | 9 Choanae |
| 2 Nuchal crest | 10 Body of mandible |
| 3 Coronoid process | 11 Angle of mandible |
| 4 Mandibular fossa | 12 Mandibular foramen |
| 5 Condylar process | 13 Ramus of mandible |
| 6 Paracondylar process | 14 Zygomatic arch |
| 7 Caudal alar foramen | 15 Occipital condyle |
| 8 Hamulus of pterygoid | 16 Foramen magnum |



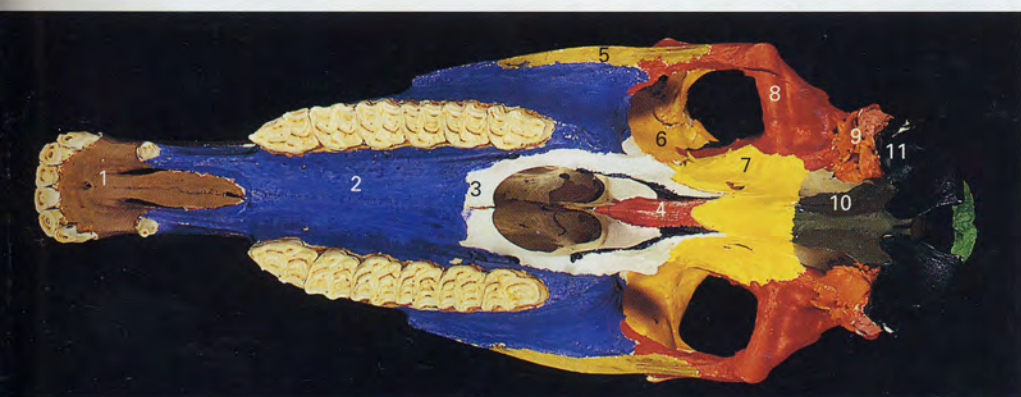
8. Bones of skull of horse, dorsal view.

- | | |
|------------------|----------------------------------|
| 1 Incisive bone | 7 Temporal bone |
| 2 Nasal bone | 8 Parietal bone |
| 3 Maxilla | 9 Interparietal bone |
| 4 Zygomatic bone | 10 Occipital bone, squamous part |
| 5 Lacrimal bone | |
| 6 Frontal bone | |



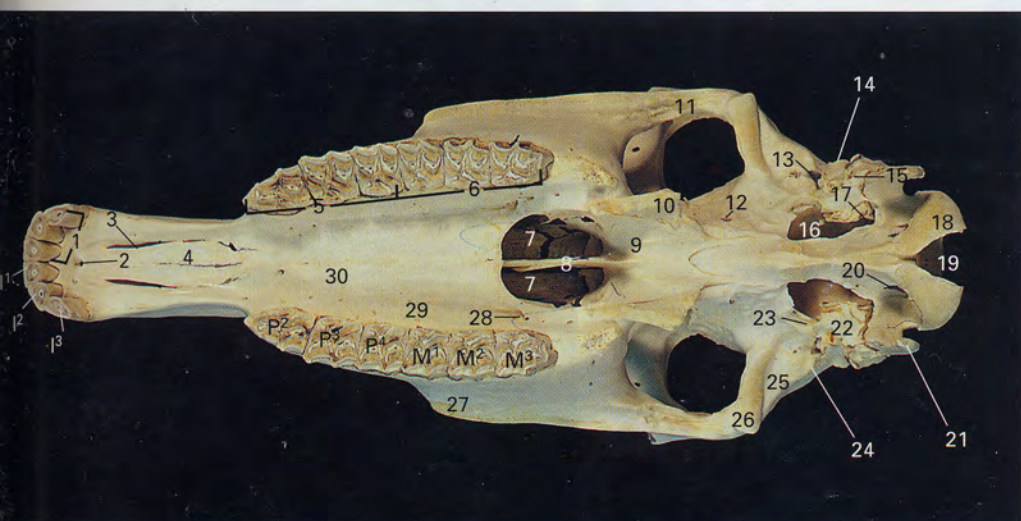
9. Skull of horse, dorsal view.

- | | |
|-------------------------------------|-----------------------------|
| 1 Interincisive canal | 8 Zygomatic arch |
| 2 Body of incisive bone | 9 Temporal line |
| 3 Nasal process of incisive bone | 10 Nuchal crest |
| 4 Infraorbital foramen | 11 External sagittal crest |
| 5 Facial crest | 12 Temporal fossa |
| 6 Orbit | 13 Supraorbital foramen |
| 7 Zygomatic process of frontal bone | 14 Rostral lacrimal process |
| | 15 Nasoincisive notch |



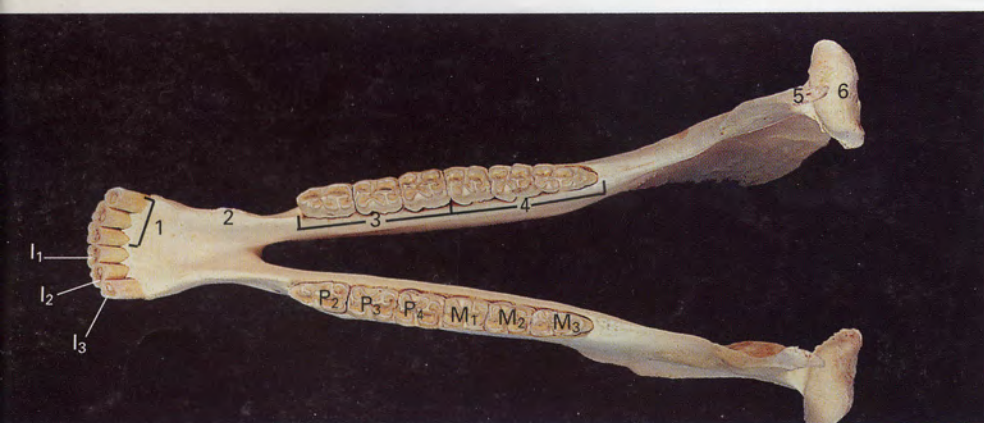
10. Bones of skull of horse, ventral view.

- | | |
|------------------|---|
| 1 Incisive bone | 8 Temporal bone, squamous part |
| 2 Maxilla | 9 Temporal bone, tympanic and petrous parts |
| 3 Palatine bone | 10 Occipital bone, basilar part |
| 4 Vomer | 11 Occipital bone, lateral part |
| 5 Zygomatic bone | |
| 6 Frontal bone | |
| 7 Sphenoid bone | |



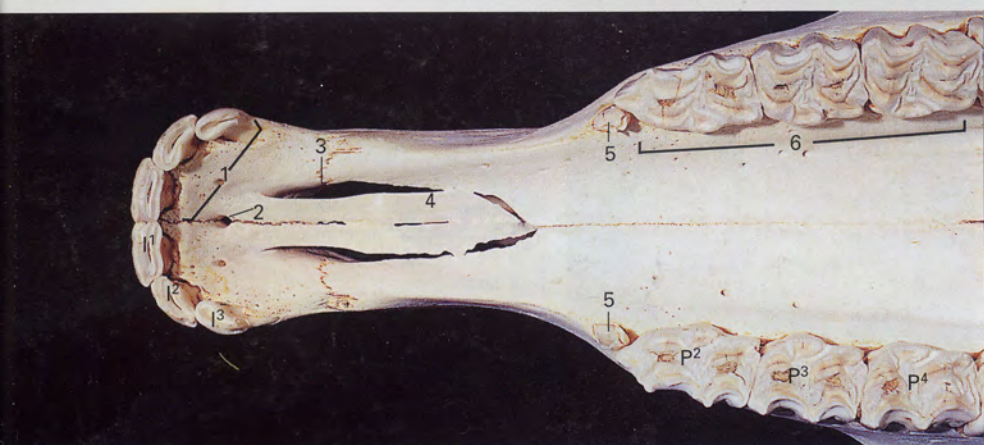
11. Skull of female horse, ventral view.

- | | |
|--|----------------------------------|
| 1 Incisor teeth (I ¹ , I ² , I ³) | 16 Foramen lacerum |
| 2 Interincisive canal | 17 Jugular foramen |
| 3 Palatine fissure | 18 Occipital condyle |
| 4 Palatine process of incisive bone | 19 Foramen magnum |
| 5 Premolar teeth (P ² , P ³ , P ⁴) | 20 Hypoglossal canal |
| 6 Molar teeth (M ¹ , M ² , M ³) | 21 Paracondylar process |
| 7 Choanae | 22 Tympanic bulla |
| 8 Vomer | 23 Osseous part of auditory tube |
| 9 Wings of vomer | 24 Retroarticular process |
| 10 Hamulus of pterygoid bone | 25 Mandibular fossa |
| 11 Zygomatic arch | 26 Articular tubercle |
| 12 Caudal alar foramen | 27 Rostral end of facial crest |
| 13 Petrotympenic fissure | 28 Major palatine foramen |
| 14 External acoustic meatus | 29 Palatine groove |
| 15 Stylomastoid foramen | 30 Palatine process of maxilla |



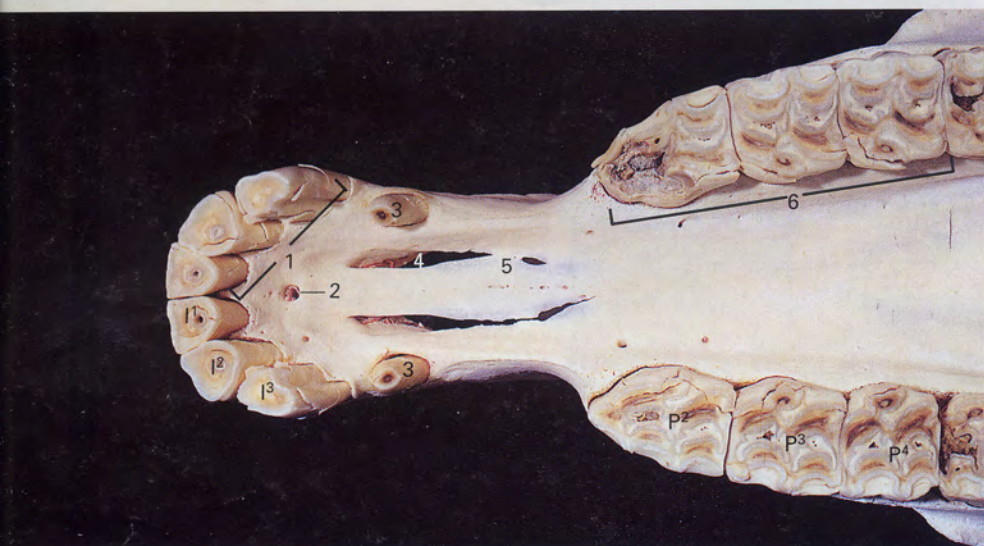
12. Mandible of female horse, dorsal view.

- | | |
|--|---|
| 1 Incisor teeth (I ₁ , I ₂ , I ₃) | 4 Molar teeth (M ₁ , M ₂ , M ₃) |
| 2 Interincisor border | 5 Coronoid process |
| 3 Premolar teeth (P ₂ , P ₃ , P ₄) | 6 Condylar process |



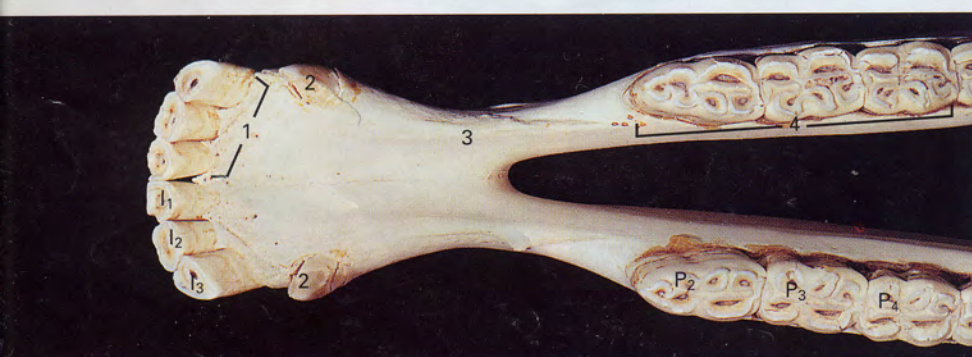
13. Rostral part of skull of female horse, ventral view, showing the position of the first premolar (wolf) tooth, which is sometimes present in horses of either sex.

- | | |
|---|--|
| 1 Incisor teeth (I ₁ , I ₂ , I ₃) | 5 First upper premolar (wolf) tooth (P ₁) |
| 2 Interincisor canal | 6 Premolar teeth (P ₂ , P ₃ , P ₄) |
| 3 Palatine fissure | |
| 4 Palatine process of incisive bone | |



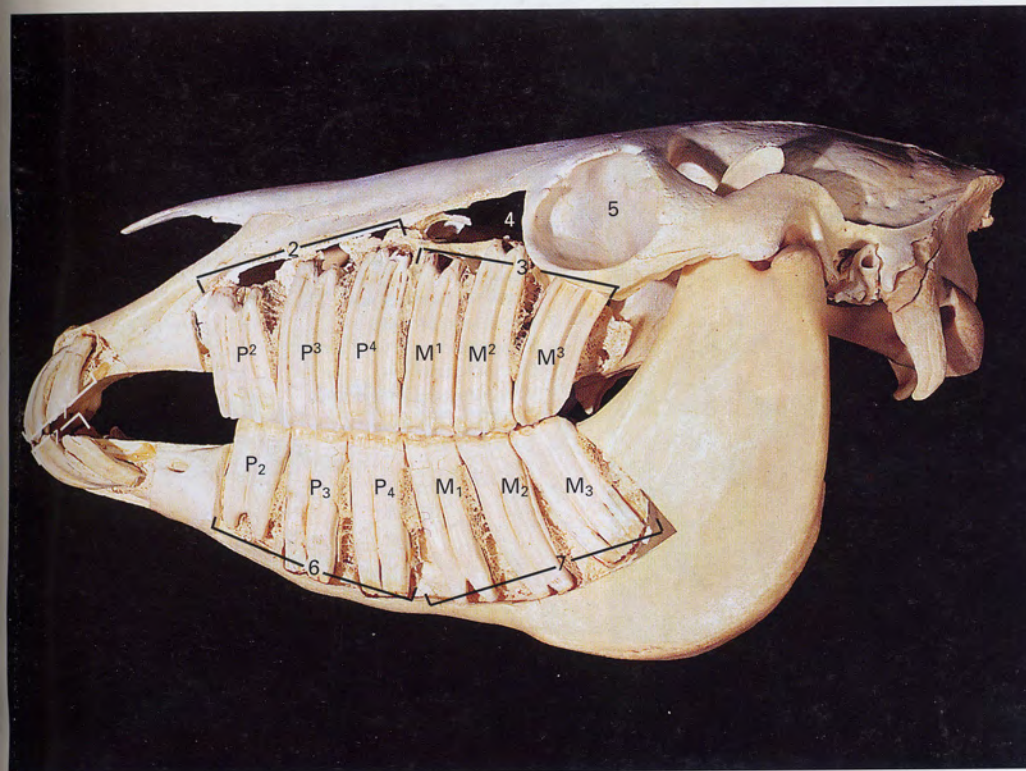
14. Rostral part of skull of male horse, ventral view.

- | | |
|---|--|
| 1 Incisor teeth (I ₁ , I ₂ , I ₃) | 5 Palatine process |
| 2 Interincisor canal | 6 Premolar teeth (P ₂ , P ₃ , P ₄) |
| 3 Canine tooth | |
| 4 Palatine fissure | |



15. Rostral part of mandible of male horse, dorsal view.

- | | |
|---|--|
| 1 Incisor teeth (I ₁ , I ₂ , I ₃) | 4 Premolar teeth (P ₂ , P ₃ , P ₄) |
| 2 Canine tooth | |
| 3 Interincisor border | |

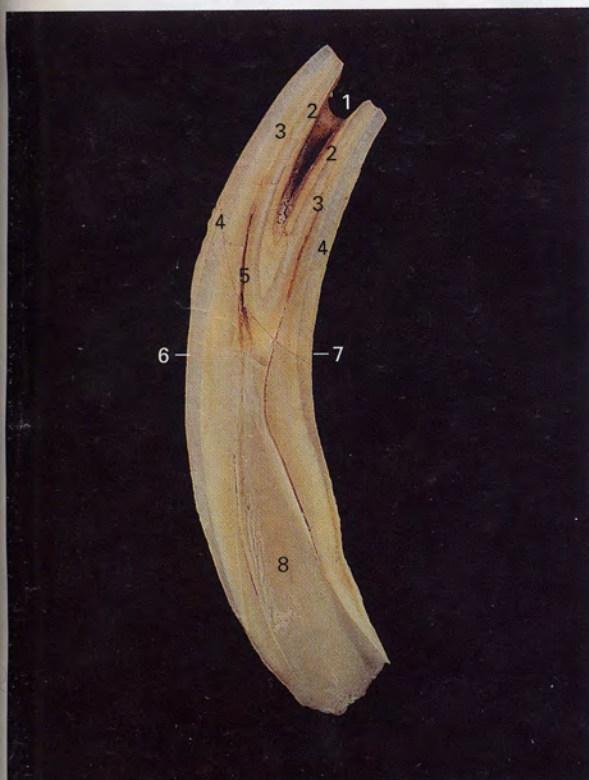


16. Skull of young adult horse, lateral view. The bones have been sculptured to show the extent of the reserve crowns of the incisors, premolars and molars.

- | | |
|--|--|
| 1 Incisor teeth | 5 Orbit |
| 2 Upper premolar teeth (P ² , P ³ , P ⁴) | 6 Lower premolar teeth (P ₂ , P ₃ , P ₄) |
| 3 Upper molar teeth (M ¹ , M ² , M ³) | 7 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 4 Maxillary sinus | |

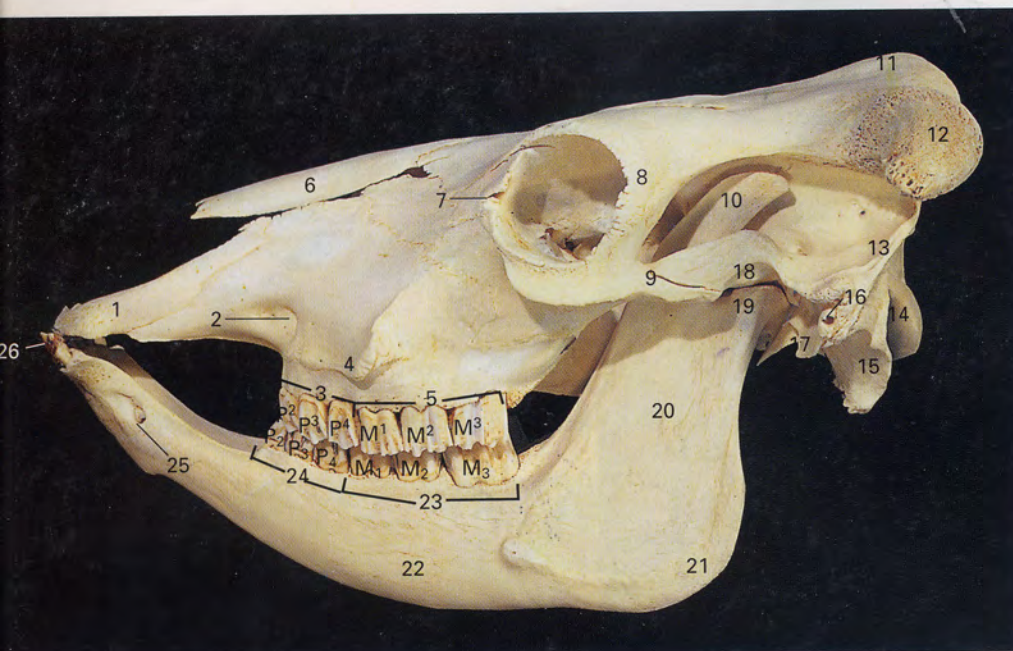
- Deciduous dentition of horse:
2 {Di^{3/3}; Dp^{3/3}}
- Permanent dentition of horse:
Male 2 {I^{3/3}; C^{1/1}; P^{3 or 4/3}; M^{3/3}}
Female 2 {I^{3/3}; C^{0/0}; P^{3 or 4/3}; M^{3/3}}

- The second, third and fourth premolars are consistently present in the upper and lower jaws. The first upper premolar is vestigial or absent in both sexes. When present it forms part of the permanent dentition.



17. Incisor tooth of young horse, longitudinal section.

- | | |
|---------------------|---|
| 1 Infundibulum | 5 Secondary dentin will appear as the dental star |
| 2 Central enamel | 6 Rostral (buccal) surface |
| 3 Dentin | 7 Caudal (lingual) surface |
| 4 Peripheral enamel | 8 Pulp cavity |



18. Skull and mandible of ox, lateral view.

- | | |
|--|---|
| 1 Incisive bone | 14 Occipital condyle |
| 2 Infraorbital foramen | 15 Paracondylar process |
| 3 Upper premolar teeth (P ² , P ³ , P ⁴) | 16 External acoustic meatus |
| 4 Facial tuber | 17 Tympanic bulla |
| 5 Upper molar teeth (M ¹ , M ² , M ³) | 18 Articular tubercle |
| 6 Nasal bone | 19 Condylar process |
| 7 Fossa for lacrimal sac | 20 Ramus of mandible |
| 8 Zygomatic process | 21 Angle of mandible |
| 9 Zygomatic arch | 22 Body of mandible |
| 10 Coronoid process | 23 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 11 Intercornual protuberance | 24 Lower premolar teeth (P ₂ , P ₃ , P ₄) |
| 12 Cornual process | 25 Mental foramen |
| 13 Temporal line | 26 Lower incisor and canine teeth |

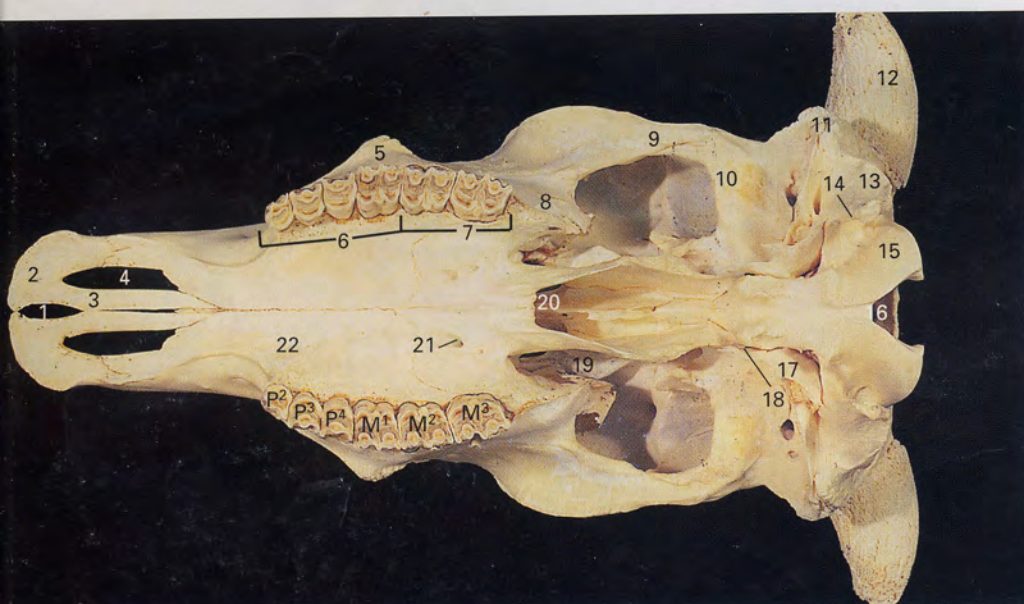
Deciduous dentition of ox:

$$2 \{Di^{0/3}; Dc^{0/1}; Dp^{3/3}\}$$

Permanent dentition of ox:

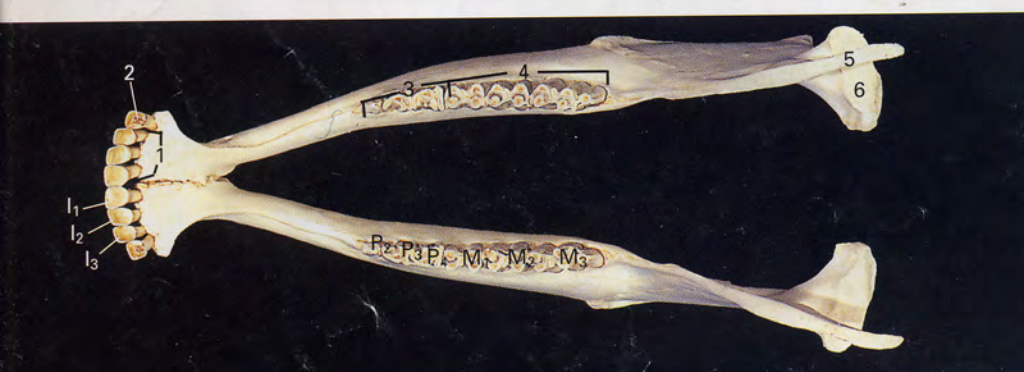
$$2 \{I^{0/3}; C^{0/1}; P^{3/3}; M^{3/3}\}$$

- The lower canine tooth is situated lateral and adjacent to the third incisor, and it resembles an incisor tooth in size and shape.
- The first premolar is absent in the upper and lower arcades.



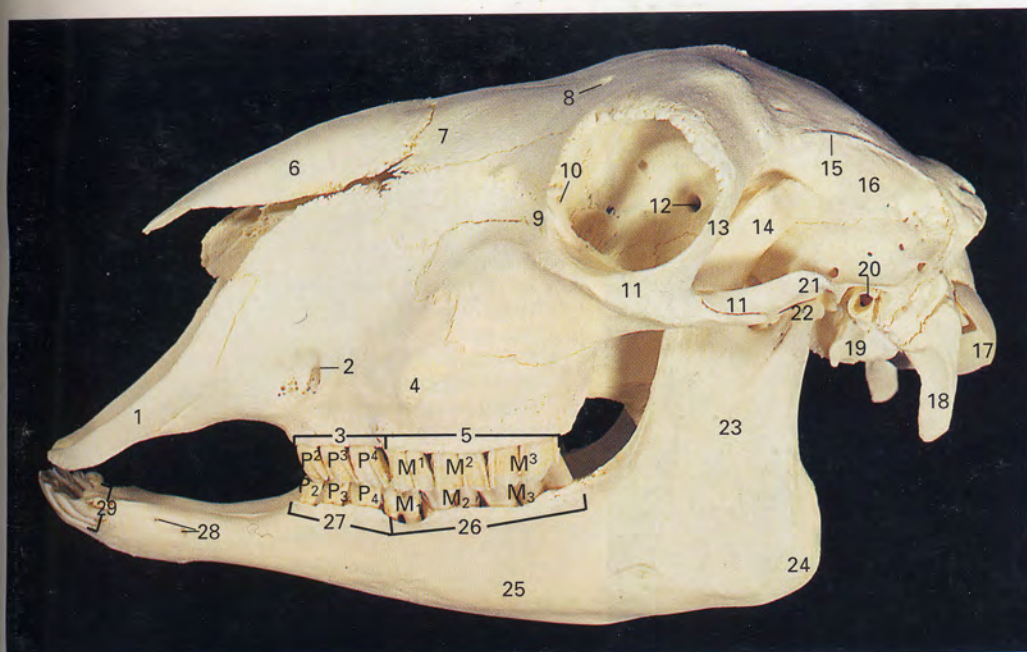
19. Skull of ox, ventral view.

- | | |
|--|--------------------------------|
| 1 Interincisive fissure | 12 Cornual process |
| 2 Body of incisive bone | 13 Paracondylar process |
| 3 Palatine process of incisive bone | 14 Hypoglossal canal |
| 4 Palatine fissure | 15 Occipital condyle |
| 5 Facial tuber | 16 Foramen magnum |
| 6 Upper premolar teeth (P ² , P ³ , P ⁴) | 17 Tympanic bulla |
| 7 Upper molar teeth (M ¹ , M ² , M ³) | 18 Oval foramen |
| 8 Maxillary tuber | 19 Hamulus of pterygoid bone |
| 9 Zygomatic arch | 20 Choanae |
| 10 Articular tubercle | 21 Major palatine foramen |
| 11 External acoustic meatus | 22 Palatine process of maxilla |



20. Mandible of ox, dorsal view.

- | | |
|--|---|
| 1 Lower incisor teeth (I ₁ , I ₂ , I ₃) | 4 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 2 Canine tooth | 5 Coronoid process |
| 3 Lower premolar teeth (P ₂ , P ₃ , P ₄) | 6 Condylar process |

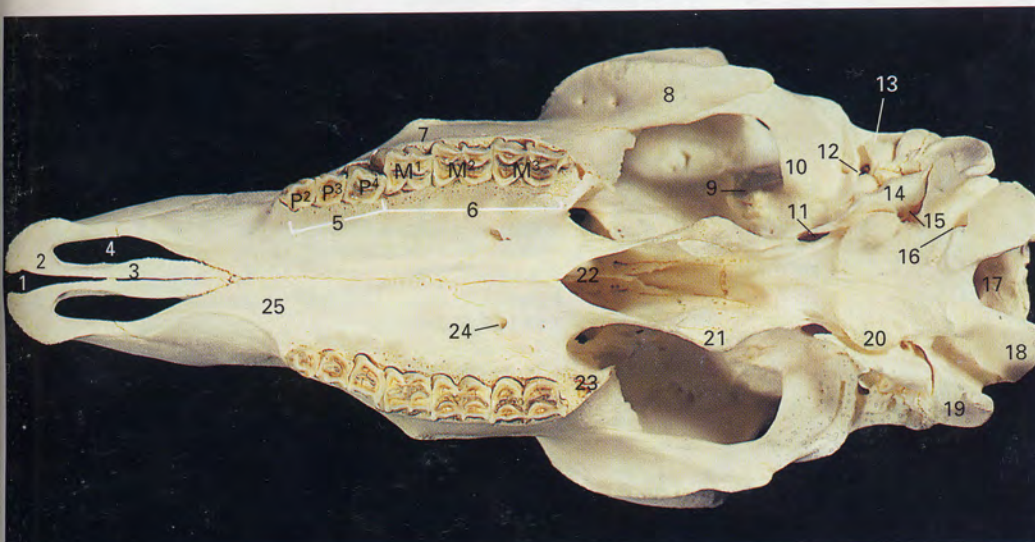


21. Skull and mandible of sheep, lateral view.

- | | |
|--|---|
| 1 Incisive bone | 16 Temporal fossa |
| 2 Infraorbital foramen | 17 Occipital condyle |
| 3 Upper premolar teeth (P ² , P ³ , P ⁴) | 18 Paracondylar process |
| 4 Facial tuber | 19 Tympanic bulla |
| 5 Upper molar teeth (M ¹ , M ² , M ³) | 20 External acoustic meatus |
| 6 Nasal bone | 21 Articular tubercle |
| 7 Frontal bone | 22 Condylar process |
| 8 Supraorbital foramen | 23 Ramus of mandible |
| 9 External lacrimal fossa | 24 Angle of mandible |
| 10 Fossa for lacrimal sac | 25 Body of mandible |
| 11 Zygomatic arch | 26 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 12 Optic canal | 27 Lower premolar teeth (P ₂ , P ₃ , P ₄) |
| 13 Zygomatic process | 28 Mental foramina |
| 14 Coronoid process | 29 Lower incisor and canine teeth |
| 15 Temporal line | |

- Deciduous dentition of sheep:
2 {Di ⁰/₃; Dc ⁰/₁; Dp ³/₃}
- Permanent dentition of sheep:
2 {I ⁰/₃; C ⁰/₁; P ³/₃; M ³/₃}

- The lower canine tooth is situated lateral and adjacent to the incisor, and it resembles an incisor tooth in size and shape.
- The first premolar is absent in the upper and lower arcades.



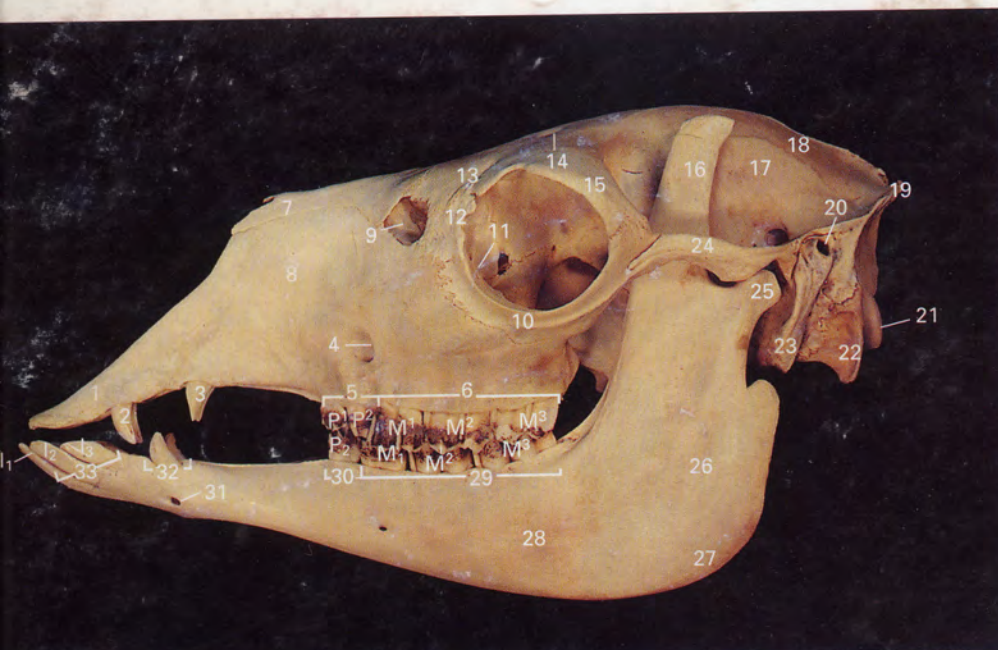
22. Skull of sheep, ventral view.

- | | |
|--|--|
| 1 Interincisive fissure | 12 External opening of temporal meatus |
| 2 Body of incisive bone | 13 External acoustic meatus |
| 3 Palatine process of incisive bone | 14 Tympanic bulla |
| 4 Palatine fissure | 15 Jugular foramen |
| 5 Upper premolar teeth (P ² , P ³ , P ⁴) | 16 Hypoglossal canal |
| 6 Upper molar teeth (M ¹ , M ² , M ³) | 17 Foramen magnum |
| 7 Facial tuber | 18 Occipital condyle |
| 8 Zygomatic arch | 19 Paracondylar process |
| 9 Orbital opening of supraorbital canal | 20 Muscular tubercle |
| 10 Articular tubercle | 21 Hamulus of pterygoid bone |
| 11 Oval foramen | 22 Choanae |
| | 23 Maxillary tuber |
| | 24 Major palatine foramen |
| | 25 Palatine process of maxilla |



23. Mandible of sheep, dorsal view.

- | | |
|--|---|
| 1 Lower incisor teeth (I ₁ , I ₂ , I ₃) | 4 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 2 Lower canine tooth | 5 Condylar process |
| 3 Lower premolar teeth (P ₂ , P ₃ , P ₄) | 6 Coronoid process |
| | 7 Mandibular foramen |



24. Skull and mandible of llama, lateral view.

- | | |
|---|--|
| 1 Incisive bone | 18 Parietal bone |
| 2 Upper incisor tooth | 19 Nuchal crest |
| 3 Upper canine tooth | 20 External acoustic meatus |
| 4 Infraorbital foramen | 21 Occipital condyle |
| 5 Upper premolar teeth (P ¹ , P ²) | 22 Paracondylar process |
| 6 Upper molar teeth (M ¹ , M ² , M ³) | 23 Tympanic bulla |
| 7 Nasal bone | 24 Zygomatic arch |
| 8 Maxilla | 25 Condylar process |
| 9 Nasolacrimal fissure | 26 Ramus of mandible |
| 10 Zygomatic bone | 27 Angle of mandible |
| 11 Nasolacrimal canal | 28 Body of mandible |
| 12 Lacrimal bone | 29 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 13 Frontal bone | 30 Lower premolar tooth (P ₂) |
| 14 Supraorbital foramen | 31 Mental foramen |
| 15 Supraorbital process | 32 Lower canine tooth |
| 16 Coronoid process | 33 Lower incisor teeth (I ₁ , I ₂ , I ₃) |
| 17 Temporal bone | |

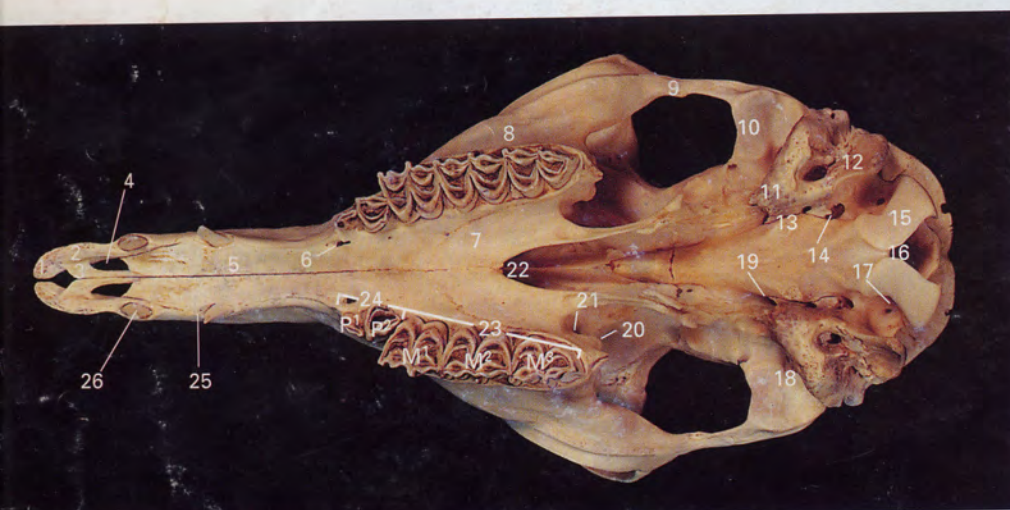
Deciduous dentition of llama:

2 {Di ¹/₃; Dp ²⁻³/₁₋₂}

Permanent dentition of llama:

2 {I ¹/₃; C ¹/₁; P ¹⁻²/₁₋₂; M ³/₃}

- Deciduous canine teeth are occasionally present in males, but rarely erupt in females.
- Eruption of permanent canine teeth is variable in females and castrated males.
- The upper incisor is caniniform.



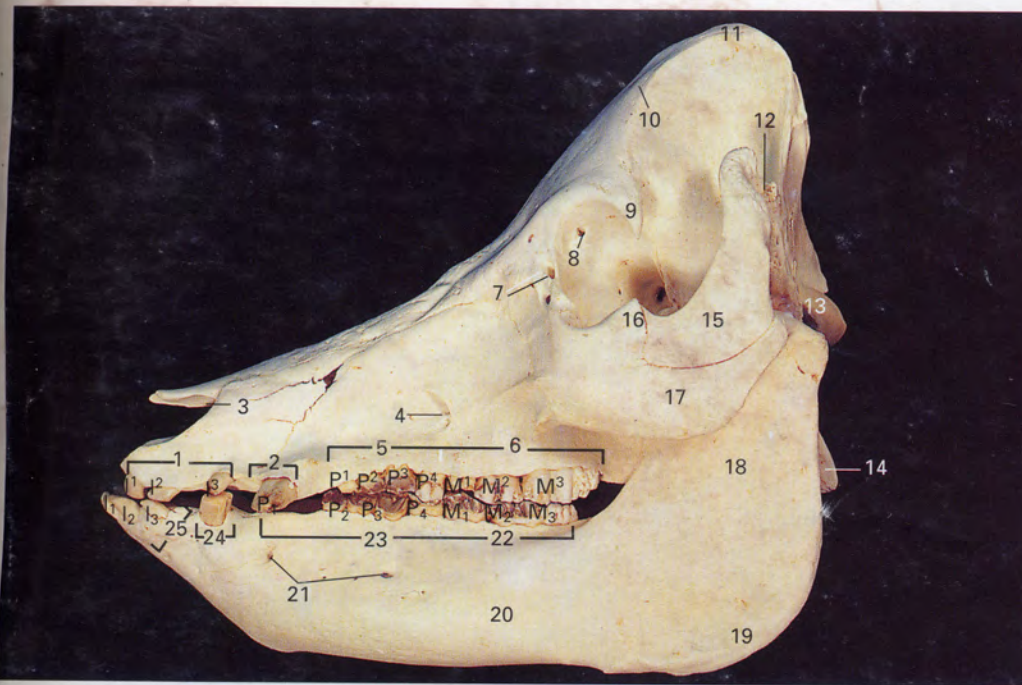
25. Skull of llama, ventral view.

- | | |
|-------------------------------------|--|
| 1 Body of incisive bone | 14 Jugular foramen |
| 2 Nasal process of incisive bone | 15 Occipital condyle |
| 3 Palatine process of incisive bone | 16 Foramen magnum |
| 4 Palatine fissure | 17 Hypoglossal canal |
| 5 Palatine process of maxilla | 18 Retroarticular process |
| 6 Major palatine foramen | 19 Oval foramen |
| 7 Palatine bone | 20 Supraorbital canal |
| 8 Zygomatic bone | 21 Sphenopalatine foramen |
| 9 Zygomatic arch | 22 Choanae |
| 10 Articular tubercle | 23 Upper molar teeth (M ¹ , M ² , M ³) |
| 11 Tympanic bulla | 24 Upper premolar teeth (P ¹ , P ²) |
| 12 Paracondylar process | 25 Upper canine tooth |
| 13 Muscular tubercle | 26 Upper incisor tooth |



26. Mandible of llama, dorsal view.

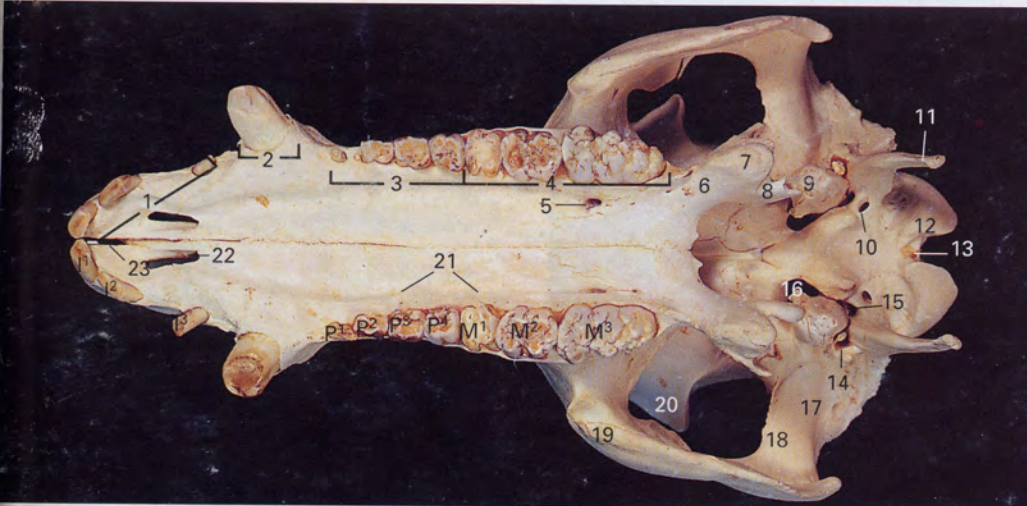
- | | |
|---|---|
| 1 Lower incisor teeth (I ₁ , I ₂ , I ₃) | 4 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 2 Lower canine tooth | 5 Coronoid process |
| 3 Lower premolar tooth (P ₂) | 6 Condylar process |



27. Skull and mandible of pig, lateral view. The rostral bone is not shown.

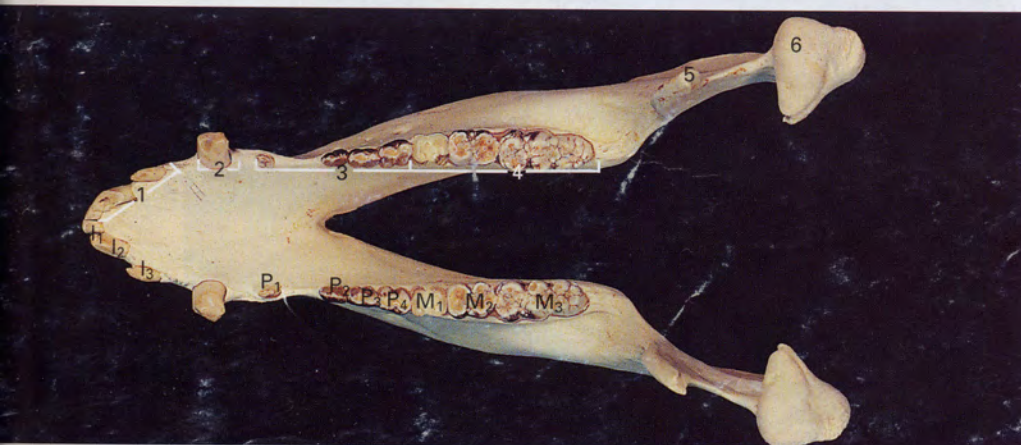
- | | |
|---|--|
| 1 Upper incisor teeth (I ¹ , I ² , I ³) | 14 Paracondylar process |
| 2 Upper canine tooth | 15 Zygomatic process of temporal bone |
| 3 Nasoincise notch | 16 Frontal process of zygomatic bone |
| 4 Infraorbital foramen | 17 Temporal process of zygomatic bone |
| 5 Upper premolar teeth (P ¹ , P ² , P ³ , P ⁴) | 18 Ramus of mandible |
| 6 Upper molar teeth (M ¹ , M ² , M ³) | 19 Angle of mandible |
| 7 Lacrimal foramina | 20 Body of mandible |
| 8 Orbital opening of supraorbital canal | 21 Mental foramina |
| 9 Zygomatic process of frontal bone | 22 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 10 Temporal line | 23 Lower premolar teeth (P ₁ , P ₂ , P ₃ , P ₄) |
| 11 Nuchal crest | 24 Lower canine tooth |
| 12 External acoustic meatus | 25 Lower incisor teeth (I ₁ , I ₂ , I ₃) |
| 13 Occipital condyle | |

- Deciduous dentition of pig:
2 {Di ³/₃; Dc ¹/₁; Dp ³/₃}
- Permanent dentition of pig:
2 {I ³/₃; C ¹/₁; P ⁴/₄; M ³/₃}
- The canine teeth (tushes) are better developed in the males.



28. Skull of pig, ventral view.

- | | |
|---|--------------------------------------|
| 1 Upper incisor teeth (I ¹ , I ² , I ³) | 11 Paracondylar process |
| 2 Upper canine tooth | 12 Occipital condyle |
| 3 Upper premolar teeth (P ¹ , P ² , P ³ , P ⁴) | 13 Intercondylar incisure |
| 4 Upper molar teeth (M ¹ , M ² , M ³) | 14 Stylomastoid foramen |
| 5 Major palatine foramen | 15 Jugular foramen |
| 6 Palatine bone | 16 Foramen lacerum |
| 7 Pyramidal process of palatine bone | 17 Mandibular fossa |
| 8 Hamulus of pterygoid bone | 18 Articular tubercle |
| 9 Tympanic bulla | 19 Zygomatic arch |
| 10 Hypoglossal canal | 20 Zygomatic process of frontal bone |
| | 21 Palatine groove |
| | 22 Palatine fissure |
| | 23 Interincisive fissure |



29. Mandible of pig, dorsal view.

- | | |
|---|---|
| 1 Lower incisor teeth (I ₁ , I ₂ , I ₃) | 4 Lower molar teeth (M ₁ , M ₂ , M ₃) |
| 2 Lower canine tooth | 5 Coronoid process |
| 3 Lower premolar teeth (P ₁ , P ₂ , P ₃ , P ₄) | 6 Condylar process |



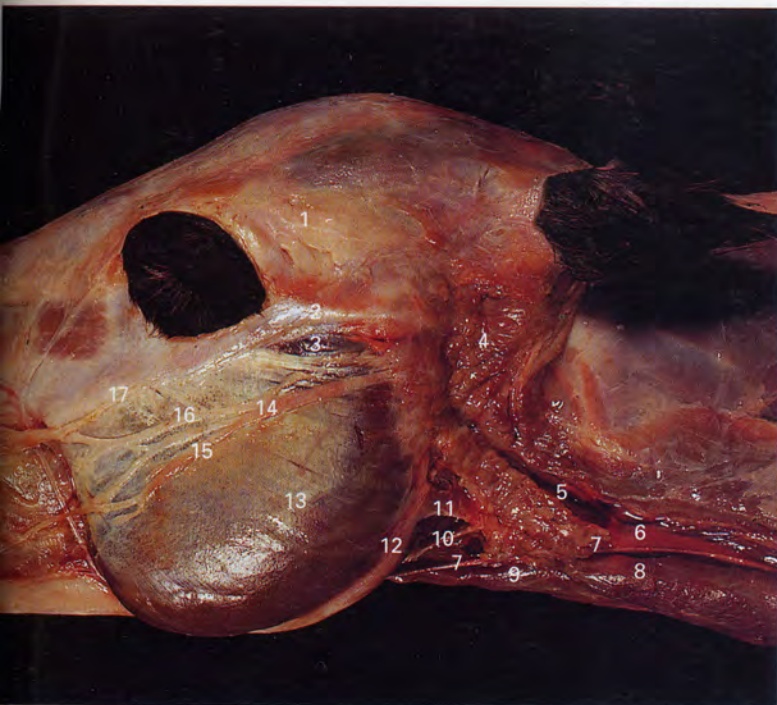
30. Superficial dissection of head of horse, lateral view. Cutaneous muscles have been removed.

- | | |
|-------------------------------|--|
| 1 M. caninus | 15 Maxillary vein |
| 2 Nasal diverticulum | 16 External jugular vein |
| 3 M. levator nasolabialis | 17 M. sternocephalicus |
| 4 Angular vein of eye | 18 M. sternohyoideus |
| 5 M. levator labii superioris | 19 M. masseter |
| 6 M. orbicularis oculi | 20 Facial nerve (VII) |
| 7 Supraorbital fat pad | 21 Dorsal buccal branch of facial nerve |
| 8 M. temporalis | 22 Ventral buccal branch of facial nerve |
| 9 Zygomatic arch | 23 Facial vein |
| 10 Transverse facial vessels | 24 Facial artery |
| 11 Parotid gland | 25 Parotid duct |
| 12 M. parotidoauricularis | 26 M. buccinator |
| 13 M. brachiocephalicus | 27 M. depressor labii inferioris |
| 14 Common carotid artery | |



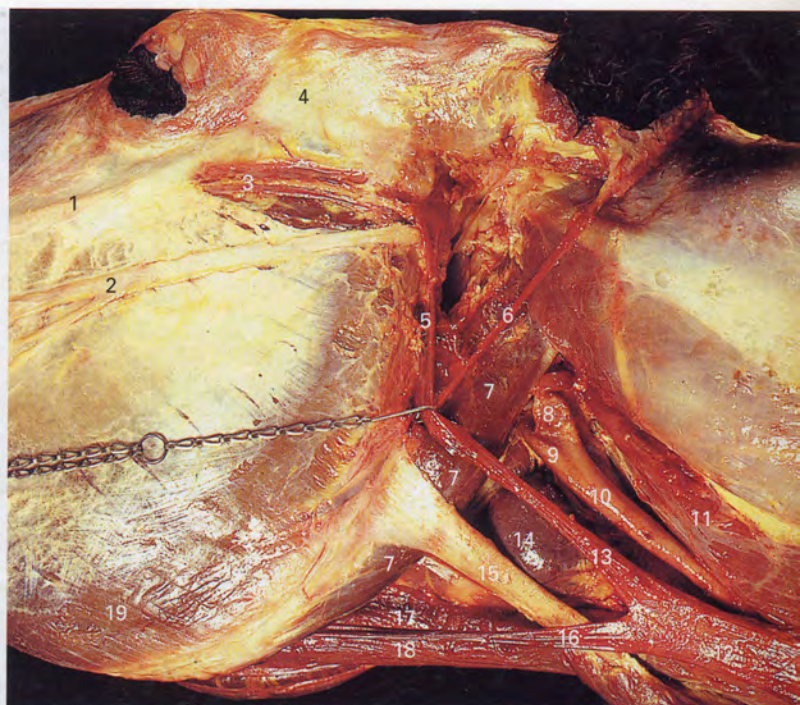
31. Superficial dissection of head of horse, ventral view. Cutaneous muscles have been removed.

- | | |
|---------------------------------|------------------------|
| 1 Chin | 8 Facial vein |
| 2 M. depressor labii inferioris | 9 Lingual vein |
| 3 Mandible | 10 Linguofacial vein |
| 4 M. mylohyoideus | 11 Facial artery |
| 5 Mandibular lymph node | 12 Parotid gland |
| 6 M. masseter | 13 M. sternocephalicus |
| 7 Parotid duct | 14 M. omohyoideus |
| | 15 M. sternohyoideus |



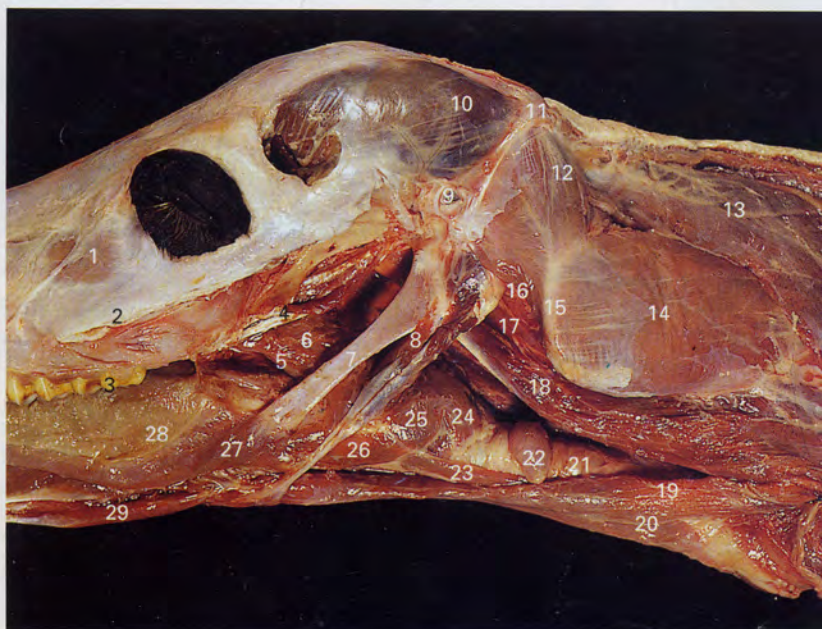
32. Superficial dissection of caudal mandibular region of horse, lateral view. Cutaneous muscles and M. parotidoauricularis have been removed.

- | | |
|--|--|
| 1 Supraorbital fat pad | 11 Tendon of M. sternocephalicus |
| 2 Zygomatic arch | 12 Edge of mandible |
| 3 Transverse facial vessels | 13 M. masseter |
| 4 Parotid gland | 14 Facial nerve (VII) |
| 5 Maxillary vein | 15 Ventral buccal branch of facial nerve |
| 6 External jugular vein | 16 Dorsal buccal branch of facial nerve |
| 7 Linguofacial vein | 17 Facial crest |
| 8 M. sternocephalicus | |
| 9 M. sternohyoideus and M. omohyoideus | |
| 10 Parotid duct | |



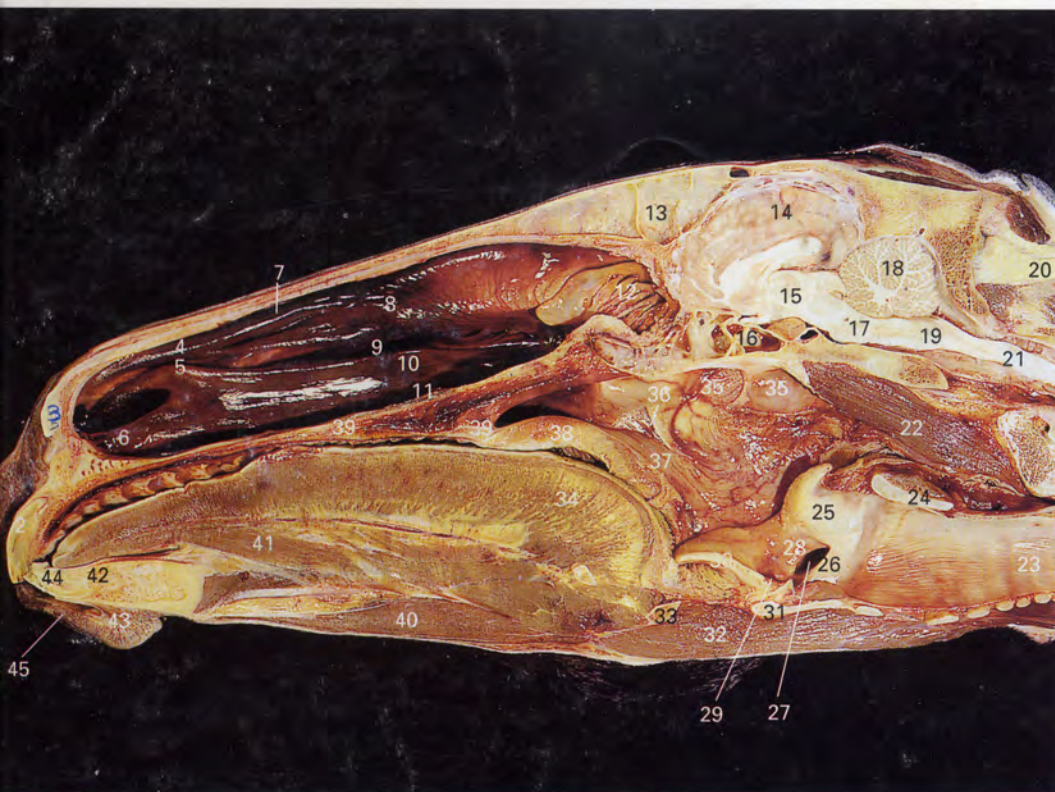
33. Deep dissection of caudal mandibular region of horse, ventrolateral view. The M. parotidoauricularis, the parotid gland and the mandibular gland have been removed. The maxillary vein has been retracted rostrally.

- | | |
|--|---|
| 1 Facial crest | 10 Common carotid artery |
| 2 Buccal branch of facial nerve | 11 M. omotransversarius |
| 3 Transverse facial vessels and nerve | 12 External jugular vein |
| 4 Zygomatic arch | 13 Maxillary vein |
| 5 Superficial temporal vein | 14 Thyroid gland |
| 6 Caudal auricular vein | 15 Tendon of M. sternocephalicus |
| 7 M. digastricus | 16 Linguofacial vein |
| 8 Carotid sinus on internal carotid artery | 17 M. sternothyroideus |
| 9 External carotid artery | 18 M. sternohyoideus and M. omohyoideus |
| | 19 M. masseter |



34. Deep dissection of caudal mandibular region of foal. Left mandible has been removed.

- | | |
|---|--------------------------------|
| 1 M. levator labii superioris | 15 Wing of atlas |
| 2 Facial crest | 16 M. rectus capitis lateralis |
| 3 First upper molar tooth (M ¹) | 17 M. rectus capitis ventralis |
| 4 M. tensor veli palatini | 18 M. longus capitis |
| 5 M. palatopharyngeus | 19 M. omohyoideus |
| 6 M. pterygopharyngeus | 20 M. sternohyoideus |
| 7 Stylohyoid bone | 21 Trachea |
| 8 M. stylohyoideus | 22 Thyroid gland |
| 9 External auditory canal | 23 M. sternothyroideus |
| 10 M. temporalis | 24 M. cricopharyngeus |
| 11 Nuchal crest | 25 M. thyropharyngeus |
| 12 M. obliquus capitis cranialis | 26 M. thyrohyoideus |
| 13 M. splenius | 27 M. styloglossus |
| 14 M. brachiocephalicus | 28 Tongue |
| | 29 M. geniohyoideus |



35. Paramedian section through head of horse. Nasal septum has been removed.

- | | |
|---|--|
| 1 Upper lip | 25 Arytenoid cartilage |
| 2 Incisor tooth (I ¹) | 26 Vocal fold |
| 3 Alar cartilage | 27 Lateral laryngeal ventricle |
| 4 Straight fold | 28 Vestibular fold |
| 5 Alar fold | 29 Median laryngeal ventricle |
| 6 Basal fold | 30 Epiglottis |
| 7 Dorsal meatus | 31 Thyroid cartilage |
| 8 Dorsal nasal concha | 32 M. sternohyoideus |
| 9 Middle meatus | 33 Basihyoid bone |
| 10 Ventral nasal concha | 34 M. genioglossus |
| 11 Ventral meatus | 35 Mucosa separating left and right auditory tube diverticulae |
| 12 Ethmoidal conchae | 36 Opening of auditory tube |
| 13 Septum separating left and right frontal sinuses | 37 Nasopharynx |
| 14 Cerebral hemisphere | 38 Soft palate |
| 15 Cerebral crura | 39 Hard palate |
| 16 Sphenopalatine sinus | 40 M. geniohyoideus |
| 17 Pons | 41 M. styloglossus |
| 18 Cerebellum | 42 Mandible |
| 19 Medulla oblongata | 43 Chin |
| 20 Nuchal ligament | 44 Incisor tooth (I ₁) |
| 21 Spinal cord | 45 Lower lip |
| 22 M. longus capitis | |
| 23 Trachea | |
| 24 Cricoid cartilage | |



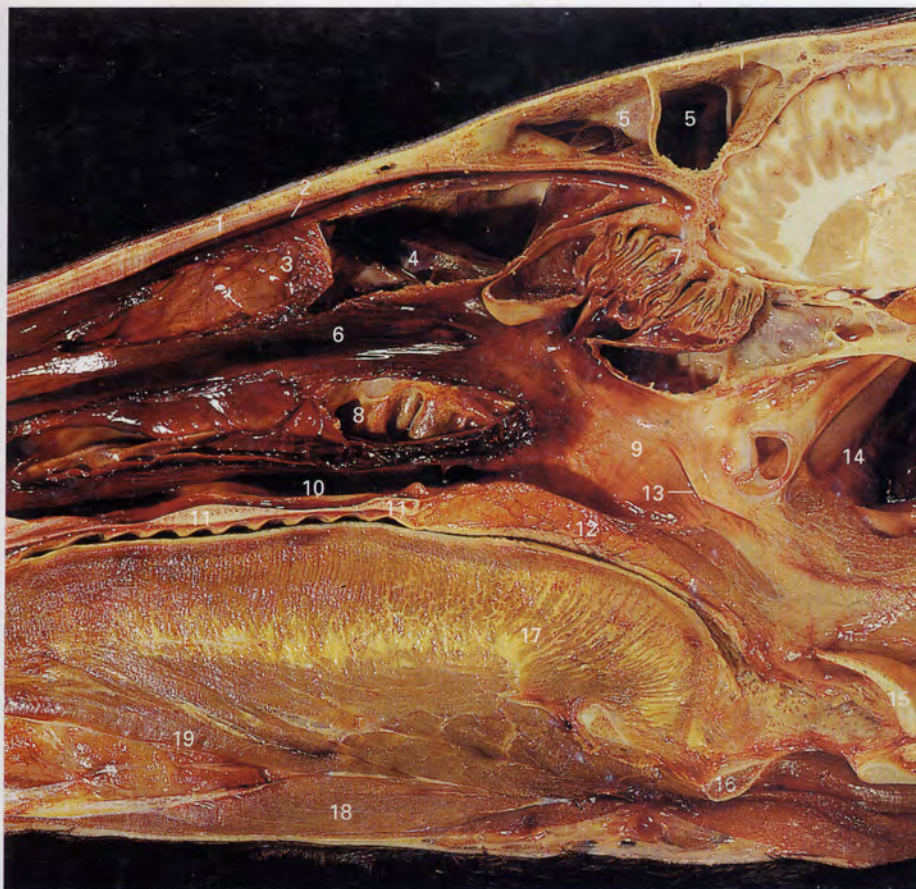
36. Dissection of frontal and maxillary region of head of horse, dorsal view. Overlying bone has been removed to expose the interior of the frontal and maxillary sinuses.

- | | |
|---------------------------------|--------------------------------------|
| 1 Nasal bone | 7 Frontomaxillary opening |
| 2 Rostral maxillary sinus | 8 Ethmoidal conchae in frontal sinus |
| 3 Maxillary sinus septum | 9 Frontal sinus |
| 4 Caudal maxillary sinus | 10 M. temporalis |
| 5 M. orbicularis oculi | |
| 6 Conchal part of frontal sinus | |



37. Dissection of frontal and maxillary region of head of horse, lateral view. Overlying bone has been removed to expose the interior of the frontal and maxillary sinuses.

- | | |
|---------------------------------|----------------------------|
| 1 Nasal bone | 8 Facial crest |
| 2 Conchal part of frontal sinus | 9 M. orbicularis oculi |
| 3 Frontal sinus | 10 Infraorbital canal |
| 4 Supraorbital fat pad | 11 Caudal maxillary sinus |
| 5 M. temporalis | 12 Maxillary sinus septum |
| 6 Transverse facial vessels | 13 Rostral maxillary sinus |
| 7 Zygomatic arch | 14 Infraorbital foramen |



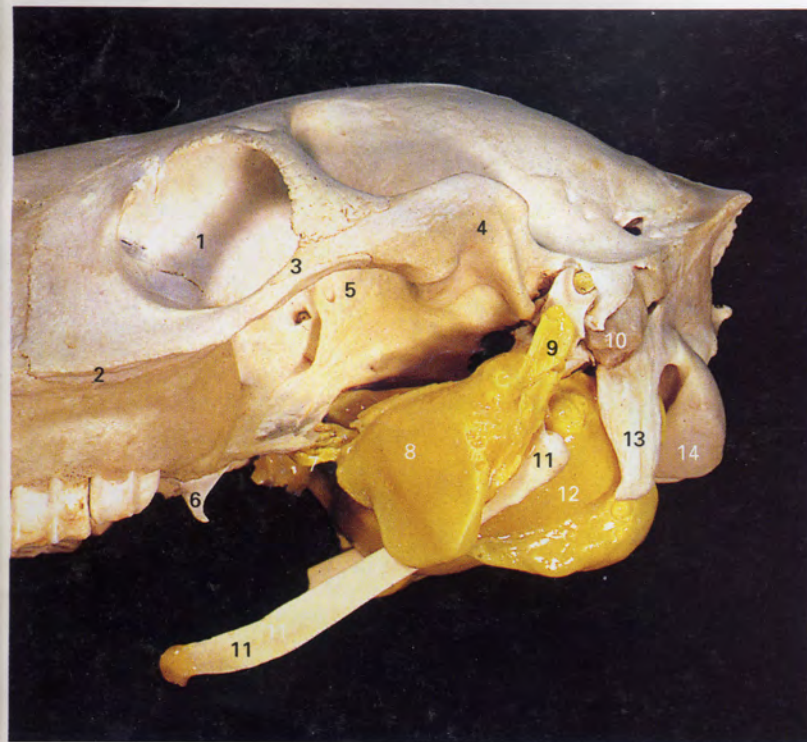
38. Paramedian section through head of horse. The medial walls of the dorsal and ventral conchae have been removed.

- | | |
|--|--|
| 1 Nasal bone | 10 Ventral meatus |
| 2 Dorsal meatus | 11 Hard palate |
| 3 Scrolled portion of dorsal nasal concha | 12 Soft palate |
| 4 Conchal portion of frontal sinus | 13 Opening of auditory tube |
| 5 Frontal sinus | 14 Auditory tube diverticulum (guttural pouch) |
| 6 Middle meatus | 15 Epiglottis |
| 7 Ethmoidal conchae | 16 Basihyoid bone |
| 8 Conchal portion of rostral maxillary sinus | 17 Tongue |
| 9 Nasopharynx | 18 M. geniohyoideus |
| | 19 M. hyoglossus |



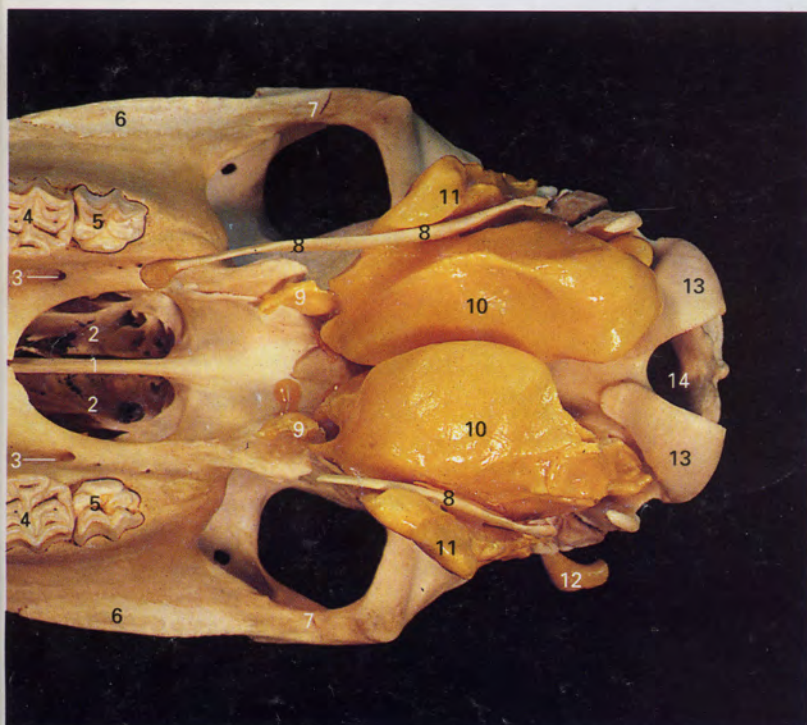
39. Paramedian section through pharynx and larynx of horse. The floor of the auditory tube diverticulum has been retracted ventrally to reveal its interior.

- | | |
|---|--|
| 1 Ethmoidal conchae | 17 Lateral compartment of auditory tube diverticulum |
| 2 Midline septum between left and right frontal sinuses | 18 Glossopharyngeal nerve (IX) |
| 3 Cerebral hemisphere | 19 Hypoglossal nerve (XII) |
| 4 Corpus callosum | 20 Oesophagus |
| 5 Interthalamic adhesion | 21 Trachea |
| 6 Mesencephalon | 22 Cricoid cartilage |
| 7 Cerebellum | 23 Corniculate process |
| 8 Occipital bone | 24 Arytenoid cartilage |
| 9 Nuchal ligament | 25 Vocal fold |
| 10 Medulla oblongata | 26 Lateral laryngeal ventricle |
| 11 Spinal cord | 27 Vestibular fold |
| 12 Sphenoidal sinus | 28 Thyroid cartilage |
| 13 Basisphenoid and presphenoid bones | 29 M. sternohyoideus and M. omohyoideus |
| 14 Auditory tube | 30 Basihyoid bone |
| 15 Medial compartment of auditory tube diverticulum | 31 Epiglottis |
| 16 Stylohyoid bone | 32 Nasopharynx |
| | 33 Soft palate |



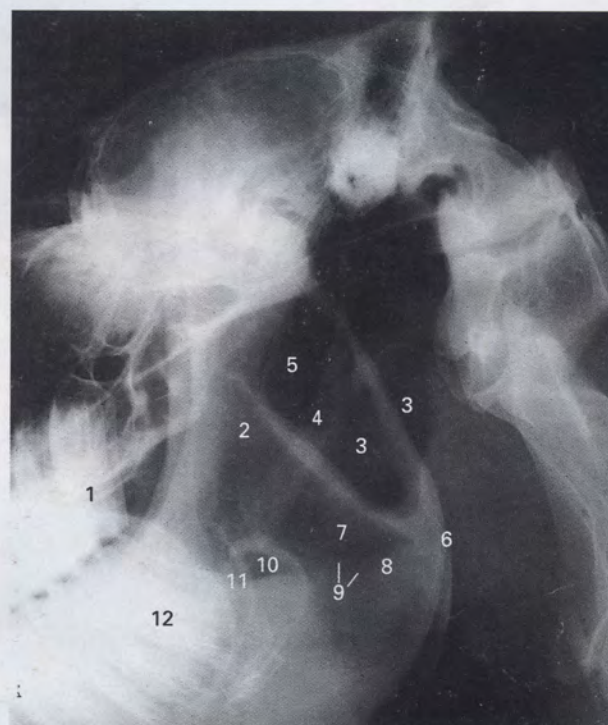
40. Skull of horse, lateral view. The external auditory canals, auditory tubes and auditory tube diverticulae (guttural pouches) have been filled with yellow latex.

- | | |
|-----------------------------|---|
| 1 Orbit | 8 Lateral compartment of auditory tube diverticulum |
| 2 Facial crest | 9 External acoustic meatus |
| 3 Zygomatic arch | 10 Mastoid process |
| 4 Mandibular fossa | 11 Stylohyoid bone |
| 5 Pterygopalatine fossa | 12 Medial compartment of auditory tube diverticulum |
| 6 Hamulus of pterygoid bone | 13 Paracondylar process |
| 7 Auditory tube | 14 Occipital condyle |



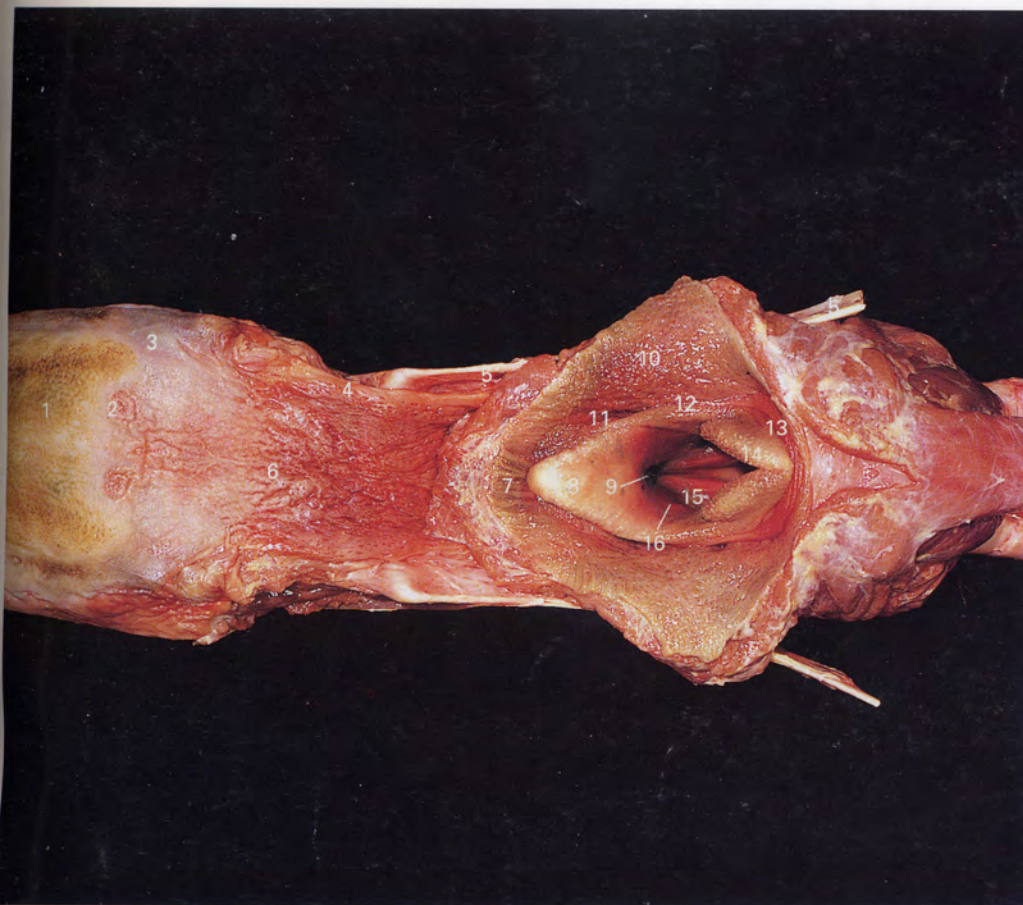
41. Skull of horse, ventral view. The external auditory canals, auditory tubes and auditory tube diverticulae (guttural pouches) have been filled with yellow latex.

- | | |
|--------------------------|--|
| 1 Vomer | 10 Medial compartment of auditory tube diverticulum |
| 2 Choanae | 11 Lateral compartment of auditory tube diverticulum |
| 3 Major palatine foramen | 12 External auditory canal |
| 4 Second upper molar | 13 Occipital condyle |
| 5 Third upper molar | 14 Foramen magnum |
| 6 Facial crest | |
| 7 Zygomatic arch | |
| 8 Stylohyoid bone | |
| 9 Auditory tube | |



42. Radiograph of mandibular region of horse, lateromedial projection.

- | | |
|---|--|
| 1 Upper third molar | 7 Laryngopharynx |
| 2 Nasopharynx | 8 Corniculate process of arytenoid cartilage |
| 3 Medial compartment of auditory tube diverticulum | 9 Aryepiglottic folds |
| 4 Stylohyoid bone | 10 Epiglottis |
| 5 Lateral compartment of auditory tube diverticulum | 11 Soft palate |
| 6 Edge of mandible | 12 Third lower molar |



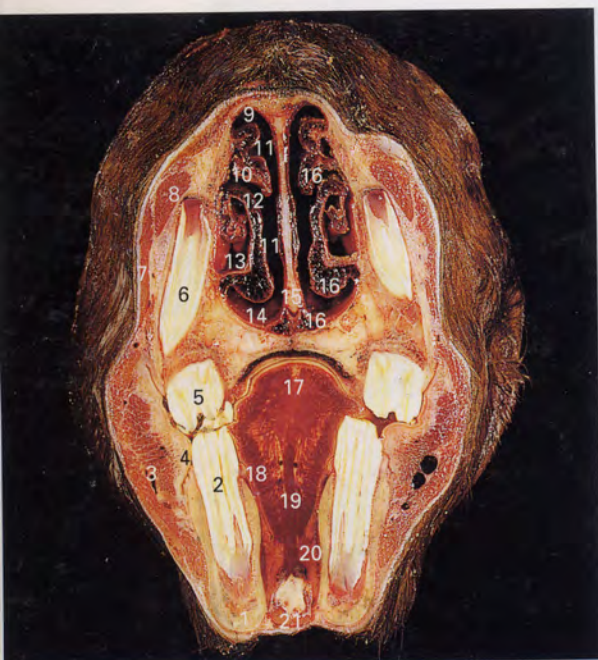
43. Tongue and larynx of horse. The aditus laryngis has been exposed by opening the pharynx dorsally.

- | | |
|-----------------------------------|---|
| 1 Dorsum of tongue | 10 Wall of pharynx |
| 2 Vallate papilla | 11 Piriform recess (lateral food channel) |
| 3 Foliate papilla | 12 Aryepiglottic fold |
| 4 Palatoglossal fold | 13 Dorsal part of palatopharyngeal arch |
| 5 Stylohyoid bone | 14 Corniculate process of arytenoid cartilage |
| 6 Root of tongue | 15 Vocal fold |
| 7 Caudal extremity of soft palate | 16 Lateral laryngeal ventricle |
| 8 Epiglottis | |
| 9 Median ventricle of larynx | |



44. Larynx and hyoid bones of horse, lateral view.

- | | |
|-------------------------------|----------------------------------|
| 1 Tympanohyoid bone | 10 M. cricoarytenoideus dorsalis |
| 2 Stylohyoid bone | 11 M. thyrohyoideus |
| 3 Ceratohyoid bone | 12 Thyroid cartilage |
| 4 Lingual process | 13 M. cricothyroideus |
| 5 M. ceratohyoideus | 14 Cricoid cartilage |
| 6 Thyrohyoid bone | 15 First tracheal ring |
| 7 Epiglottis | 16 Oesophagus |
| 8 Arytenoid cartilage | |
| 9 M. arytenoideus transversus | |



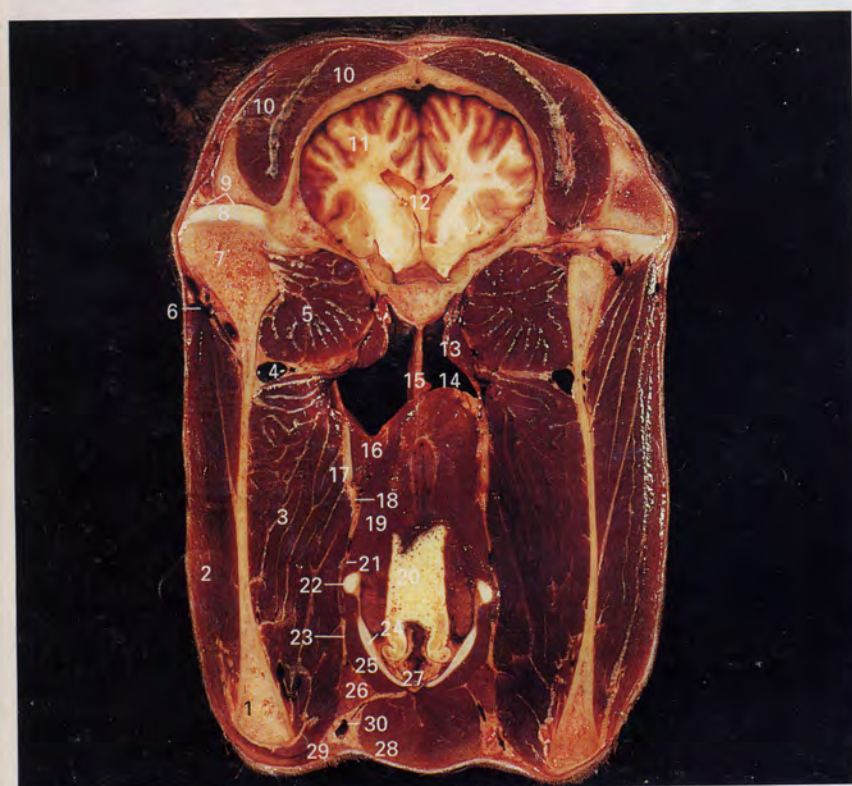
45. Transverse section through head of horse. Section is cut at the level of the third premolar tooth.

- | | |
|---|-------------------------|
| 1 Mandible | 11 Common nasal meatus |
| 2 Third lower premolar | 12 Middle nasal meatus |
| 3 M. masseter | 13 Ventral nasal concha |
| 4 Buccal glands | 14 Ventral nasal meatus |
| 5 Third upper premolar | 15 Nasal septum |
| 6 Reserve crown and root of second upper premolar | 16 Nasal venous plexus |
| 7 M. levator nasolabialis | 17 Body of tongue |
| 8 M. levator labii superioris | 18 M. hyoglossus |
| 9 Dorsal nasal meatus | 19 M. genioglossus |
| 10 Dorsal nasal concha | 20 Sublingual gland |
| | 21 M. geniohyoideus |



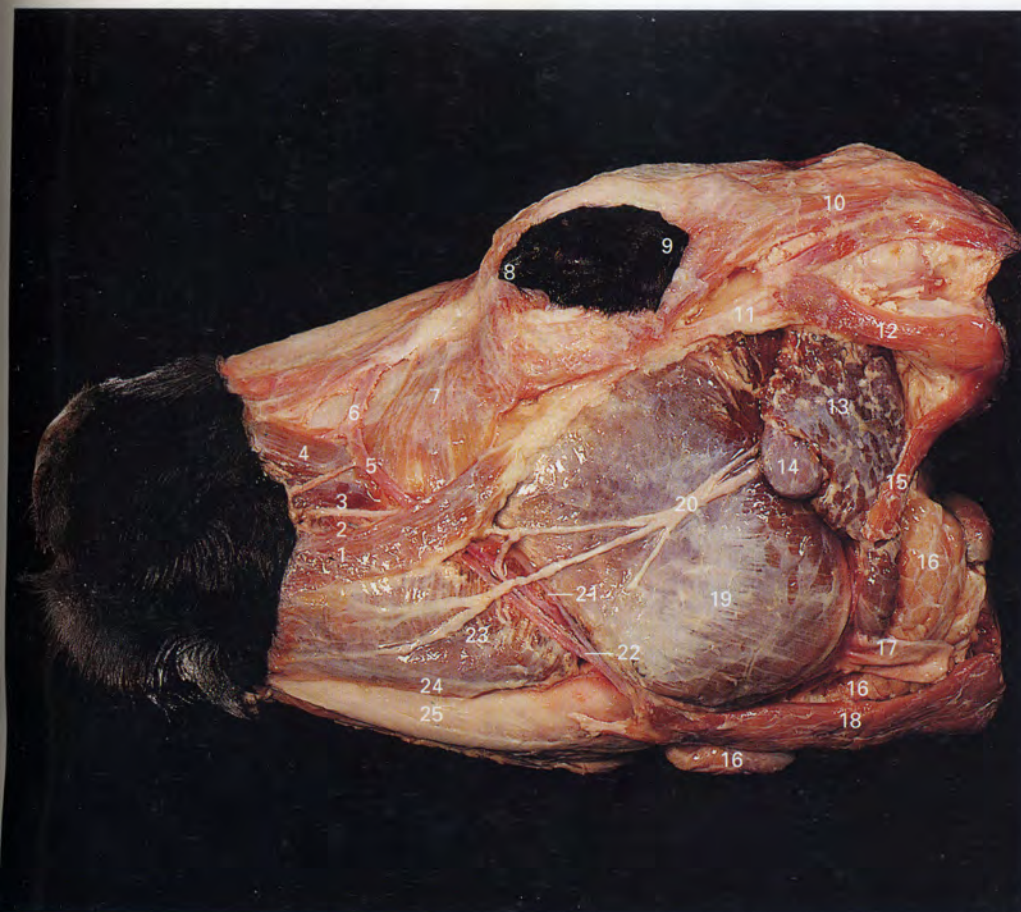
46. Transverse section through head of horse. Section is cut at the level of the third molar tooth.

- | | |
|---|------------------------------------|
| 1 Mandible | 11 Conchal part of maxillary sinus |
| 2 M. masseter | 12 Infraorbital canal |
| 3 Reserve crown and root of second lower molar | 13 Nasal septum |
| 4 Third lower molar | 14 Hard palate |
| 5 Third upper molar | 15 Body of tongue |
| 6 M. levator labii superioris and M. levator nasolabialis | 16 M. genioglossus |
| 7 Nasolacrimal duct | 17 M. hyoglossus |
| 8 Conchofrontal sinus | 18 Mandibular duct |
| 9 Rostral part of maxillary sinus | 19 Sublingual vessels |
| 10 Caudal part of maxillary sinus | 20 M. geniohyoideus |
| | 21 M. mylohyoideus |



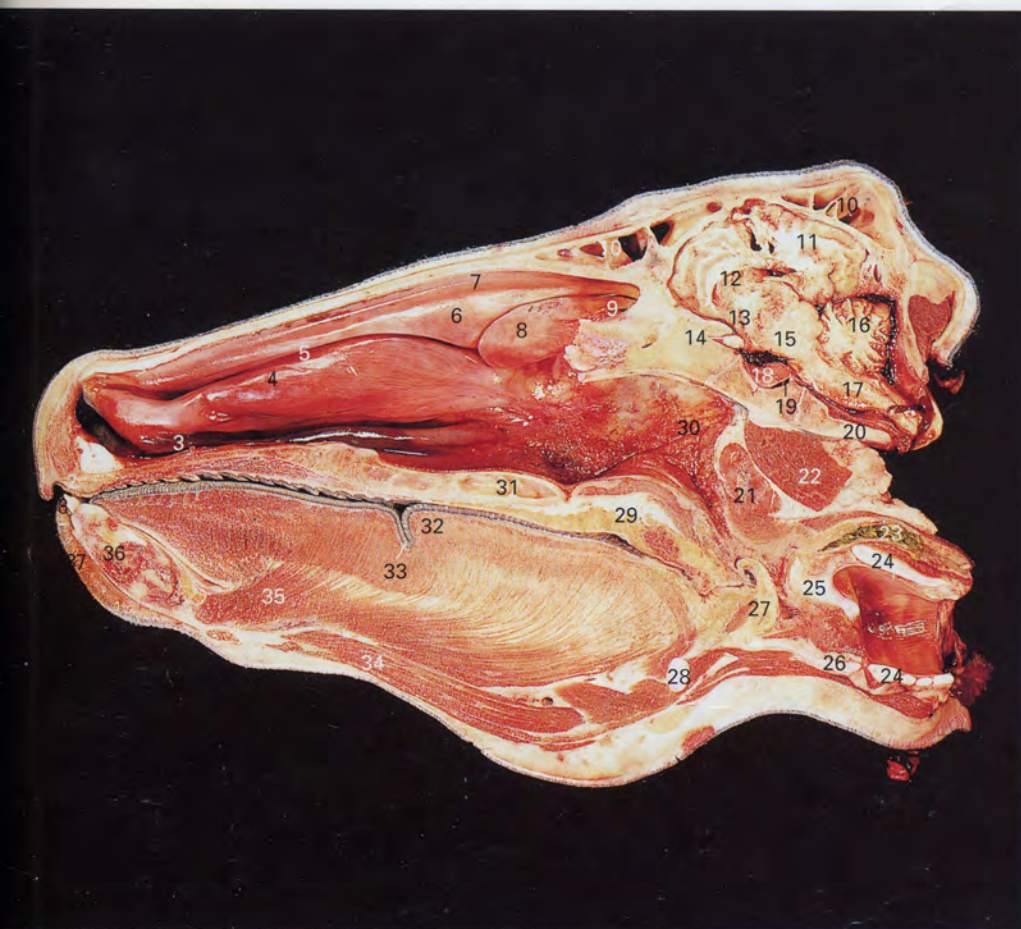
47. Transverse section through head of horse. Section is cut at the level of the temporomandibular joint.

- | | |
|--|---|
| 1 Mandible | 17 Stylohyoid bone |
| 2 M. masseter | 18 Lingual artery and nerve |
| 3 M. pterygoideus medialis | 19 M. hyopharyngeus |
| 4 Maxillary vein | 20 Epiglottis |
| 5 M. pterygoideus lateralis | 21 Facial artery |
| 6 Transverse facial vessels | 22 Rostral cornu of thyroid cartilage |
| 7 Condylar process | 23 Tendon of M. digastricus |
| 8 Articular disc | 24 Thyroid cartilage |
| 9 Mandibular fossa | 25 M. thyrohyoideus |
| 10 M. temporalis | 26 Mandibular gland |
| 11 Cerebral hemisphere | 27 Median ventricle of larynx |
| 12 Lateral ventricle of brain | 28 M. omohyoideus and M. sternohyoideus |
| 13 M. tensor veli palatini | 29 M. cutaneus fasciei |
| 14 Auditory tube diverticulum (guttural pouch) | 30 Linguofacial vein |
| 15 Midline septum | |
| 16 M. stylopharyngeus | |



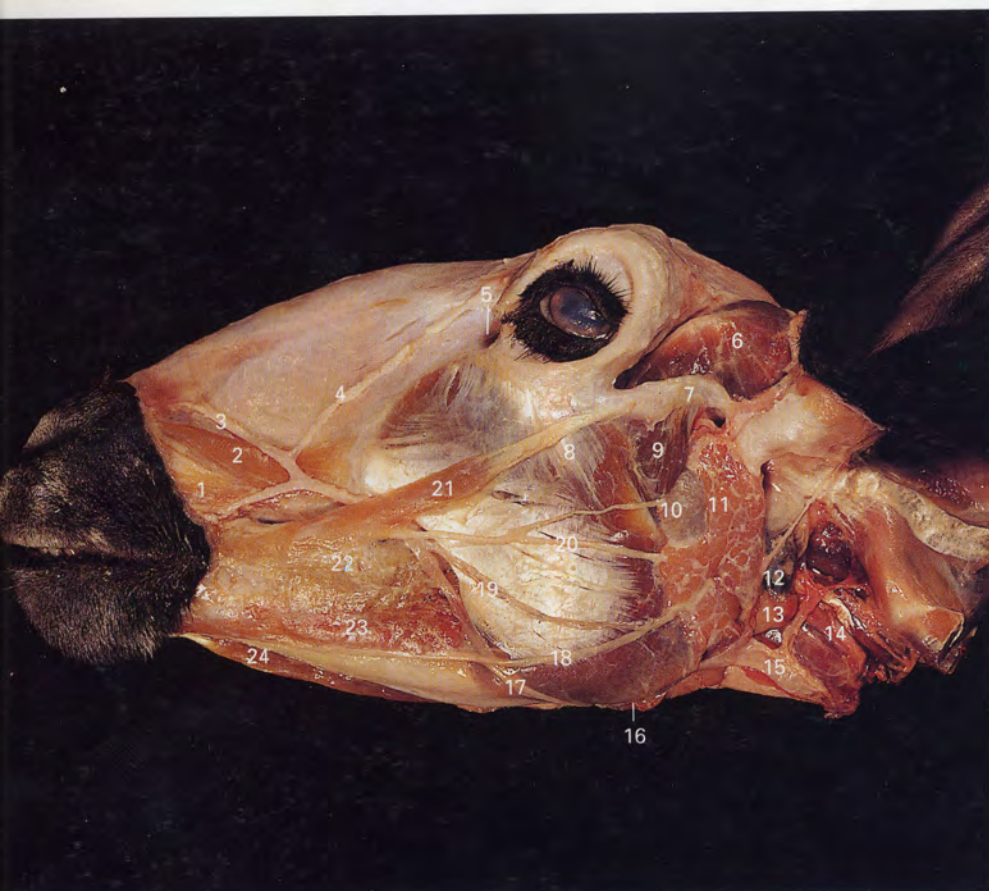
48. Superficial dissection of head of ox, lateral view.
Cutaneous muscles have been removed.

- | | |
|---------------------------------|---|
| 1 M. zygomaticus | 14 Parotid lymph node |
| 2 M. depressor labii superioris | 15 M. parotidoauricularis |
| 3 M. caninus | 16 Mandibular gland |
| 4 M. levator labii superioris | 17 External jugular vein |
| 5 Facial vein | 18 M. sternomandibularis |
| 6 Angular vein of eye | 19 M. masseter |
| 7 M. malaris | 20 Dorsal buccal branch of facial nerve |
| 8 Medial commissure of eyelids | 21 Parotid duct |
| 9 Lateral commissure of eyelids | 22 Facial vessels and ventral buccal branch of facial nerve |
| 10 M. frontalis | 23 M. buccinator |
| 11 Zygomatic arch | 24 M. depressor labii inferioris |
| 12 M. zygomaticoauricularis | 25 Body of mandible |
| 13 Parotid gland | |



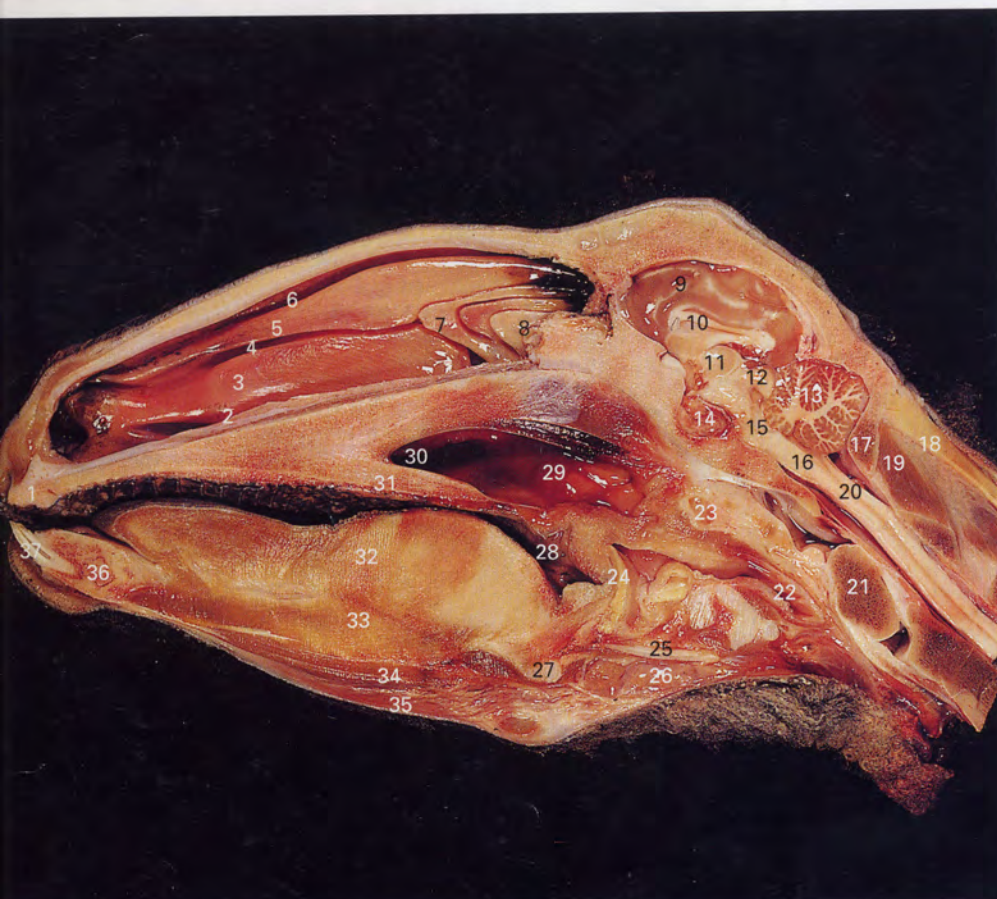
49. Paramedian section through head of ox. Nasal septum has been removed.

- | | |
|-------------------------------|--------------------------------------|
| 1 Upper lip | 21 Medial retropharyngeal lymph node |
| 2 Dental pad | 22 M. longus capitis |
| 3 Ventral nasal meatus | 23 Oesophagus |
| 4 Ventral nasal concha | 24 Cricoid cartilage |
| 5 Middle nasal meatus | 25 Arytenoid cartilage |
| 6 Dorsal nasal concha | 26 Thyroid cartilage |
| 7 Dorsal nasal meatus | 27 Epiglottis |
| 8 Middle nasal concha | 28 Basihyoid bone |
| 9 Ethmoidal conchae | 29 Soft palate |
| 10 Frontal sinus | 30 Nasopharynx |
| 11 Cerebral hemisphere | 31 Palatine sinus |
| 12 Lateral ventricle of brain | 32 Torus linguae |
| 13 Third ventricle of brain | 33 Fossa linguae |
| 14 Optic chiasma | 34 M. geniohyoideus |
| 15 Interthalamic adhesion | 35 M. genioglossus |
| 16 Cerebellum | 36 Mandible |
| 17 Medulla oblongata | 37 Lower lip |
| 18 Hypophysis | 38 Lower incisor tooth |
| 19 Cavernous sinus | |
| 20 Occipital bone | |



50. Superficial dissection of head of sheep, lateral view. Cutaneous muscles have been removed.

- | | |
|---|--|
| 1 M. levator labii superioris | 13 Mandibular gland |
| 2 M. caninus | 14 Common carotid artery |
| 3 Dorsal nasal vein | 15 External jugular vein |
| 4 Angular vein of eye | 16 Mandibular lymph node |
| 5 Fossa for gland of infraorbital sinus | 17 Facial vein |
| 6 M. temporalis | 18 Ventral buccal branch of facial nerve |
| 7 Zygomatic arch | 19 Parotid duct |
| 8 M. masseter, superficial part | 20 Dorsal buccal branch of facial nerve |
| 9 M. masseter, deep part | 21 M. zygomaticus ✓ |
| 10 Parotid lymph node | 22 M. buccinator ✓ |
| 11 Parotid gland | 23 M. depressor labii inferioris |
| 12 Lateral retropharyngeal lymph node | 24 M. mylohyoideus |



51. Paramedian section of head of sheep.

- | | |
|---------------------------------|--|
| 1 Dental pad | 21 Atlas |
| 2 Ventral nasal meatus | 22 Oesophagus |
| 3 Ventral nasal concha | 23 Medial retropharyngeal lymph node |
| 4 Middle nasal meatus | 24 Epiglottis |
| 5 Dorsal nasal concha | 25 Thyroid cartilage |
| 6 Dorsal nasal meatus | ✓ 26 Mandibular gland |
| 7 Middle nasal concha ✓ | 27 Basihyoid bone |
| 8 Ethmoidal conchae | 28 Oropharynx |
| 9 Cerebral hemisphere | 29 Nasopharynx |
| 10 Lateral ventricle of brain | 30 Choana ✓ |
| 11 Thalamus | 31 Palatine process of maxilla (hard palate) |
| 12 Rostral colliculus | 32 Body of tongue |
| 13 Cerebellum | 33 M. genioglossus |
| 14 Hypophysis | 34 M. mylohyoideus |
| 15 Pons | 36 Mandible |
| 16 Medulla oblongata ✓ | 37 Lower incisor |
| 17 Occipital bone | |
| 18 Nuchal ligament | |
| 19 M. rectus capitis dorsalis ✓ | |
| 20 Spinal cord | |



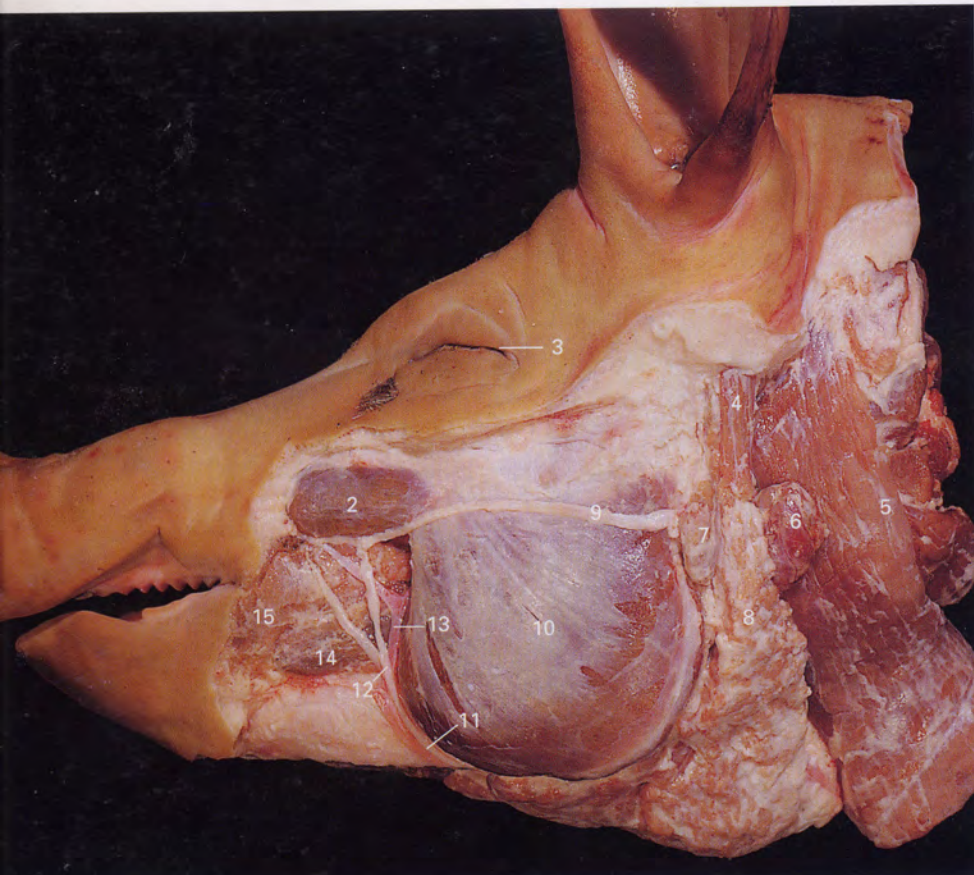
52. Superficial dissection of head of llama. Cutaneous muscles and M. zygomaticus have been removed.

- | | |
|---------------------------------------|--|
| 1 M. levator labii superioris | 14 External jugular vein |
| 2 Dorsal nasal vein | 15 M. sternocephalicus |
| 3 Angular vein of eye | 16 M. sternochoideus |
| 4 Medial commissure of eyelids | 17 Mandibular lymph node |
| 5 Lateral commissure of eyelids | 18 Ventral buccal branch of facial nerve |
| 6 Zygomatic arch | 19 Facial artery and vein |
| 7 M. frontalis | 20 Parotid duct |
| 8 M. temporalis | 21 M. masseter |
| 9 Parotid lymph node | 22 Dorsal buccal branch of facial nerve |
| 10 Parotid gland | 23 M. buccinator |
| 11 Mandibular gland | 24 M. depressor labii inferioris |
| 12 Common carotid artery | |
| 13 Lateral retropharyngeal lymph node | |



53. Paramedian section of head of llama.

- | | |
|--------------------------------------|--|
| 1 Dental pad | 20 M. semispinalis capitis |
| 2 Ventral nasal meatus | 21 Spinal cord |
| 3 Ventral nasal concha | 22 Axis |
| 4 Middle nasal meatus | 23 Atlas |
| 5 Dorsal nasal concha | 24 M. longus capitis |
| 6 Dorsal nasal meatus | 25 Trachea |
| 7 Middle nasal concha | 26 Cricoid cartilage |
| 8 Ethmoidal conchae | 27 Thyroid cartilage |
| 9 Choana | 28 Arytenoid cartilage |
| 10 Frontal sinus | 29 Epiglottis |
| 11 Cerebral hemisphere | 30 Nasopharynx |
| 12 Optic chiasma | 31 Soft palate |
| 13 Hypophysis | 32 Oropharynx |
| 14 Rostral colliculus | 33 Root of tongue |
| 15 Cerebellum | 34 Basihyoid bone |
| 16 M. temporalis | 35 M. geniohyoideus |
| 17 Nuchal crest | 36 M. genioglossus |
| 18 Occipital bone | 37 M. mylohyoideus |
| 19 Funicular part of nuchal ligament | 38 Mandible |
| | 39 Lower incisor tooth (I ₁) |



54. Superficial dissection of head of pig, lateral view. Cutaneous muscles have been removed.

- | | |
|--------------------------------------|--|
| 1 Rostrum | 9 Dorsal buccal branch of facial nerve |
| 2 M. depressor labii superioris | 10 M. masseter |
| 3 Orbital fissure | 11 Parotid duct |
| 4 M. parotidoauricularis | 12 Ventral buccal branch of facial nerve |
| 5 M. brachiocephalicus | 13 Facial vein |
| 6 Lateral retropharyngeal lymph node | 14 M. depressor labii inferioris |
| 7 Parotid lymph node | 15 M. orbicularis oris |
| 8 Parotid gland | |

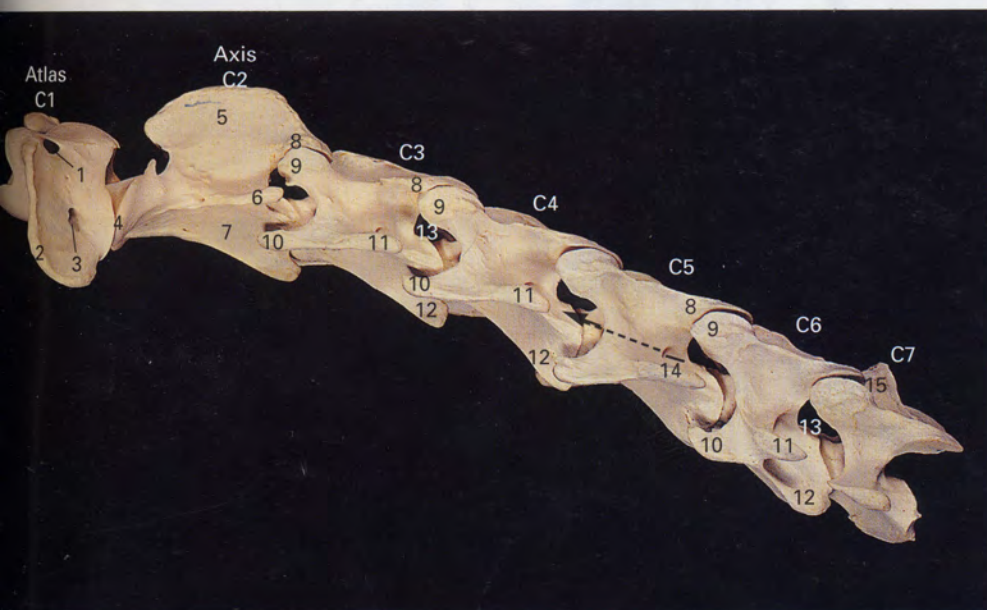


55. Paramedian section through head of pig. Nasal septum has been removed.

- | | |
|-------------------------------|------------------------|
| 1 M. orbicularis oris | 18 M. longus capitis |
| 2 Rostral bone | 19 Oesophagus |
| 3 Dorsal nasal meatus | 20 Trachea |
| 4 Dorsal nasal concha | 21 Cricoid cartilage |
| 5 Middle nasal meatus | 22 Thyroid cartilage |
| 6 Ventral nasal concha | 23 M. sternohyoideus |
| 7 Ventral nasal meatus | 24 Arytenoid cartilage |
| 8 Ethmoidal conchae | 25 Epiglottis |
| 9 Caudal part of nasal septum | 26 Soft palate |
| 10 Frontal sinus | 27 Nasopharynx |
| 11 Frontal bone | 28 Oropharynx |
| 12 Parietal bone | 29 Basihyoid bone |
| 13 Cerebral hemisphere | 30 Tongue |
| 14 Cerebellum | 31 M. genioglossus |
| 15 Mesencephalon | 32 M. geniohyoideus |
| 16 Medulla oblongata | 33 Mandible |
| 17 Occipital bone | 34 Lower lip |

3 Spinal Column

The osteology of the vertebral column is illustrated using bone specimens and the associated musculature is shown on dissected specimens.



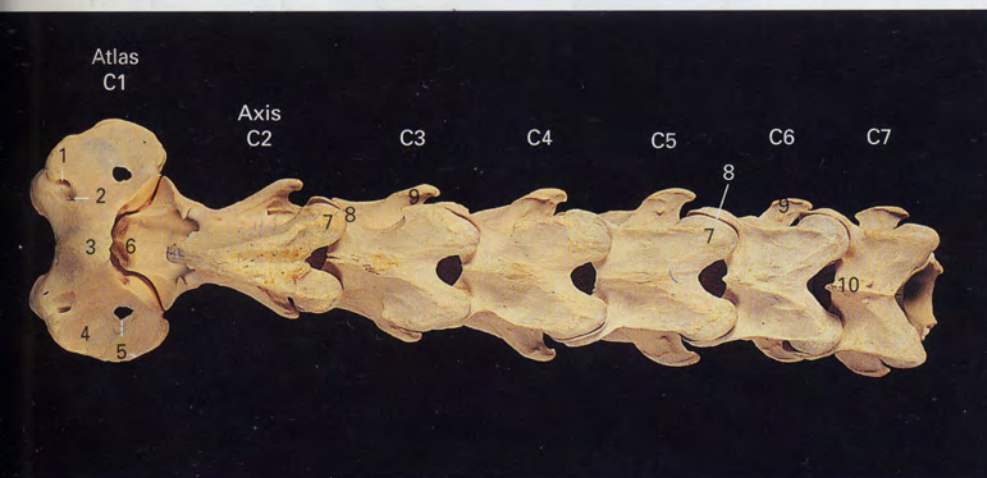
56. Cervical vertebrae (C1-C7) of horse, lateral view.

Atlas (C1)

- 1 Alar foramen
- 2 Transverse process (wing)
- 3 Transverse foramen
- 4 Cranial articular process
- 5 Spinous process
- 6 Transverse process
- 7 Body

C3-C7

- 8 Caudal articular process
- 9 Cranial articular process
- 10 Ventral tubercle of transverse process
- 11 Dorsal tubercle of transverse process
- 12 Ventral crest
- 13 Intervertebral foramen
- 14 Transverse foramen
- 15 Spinous process



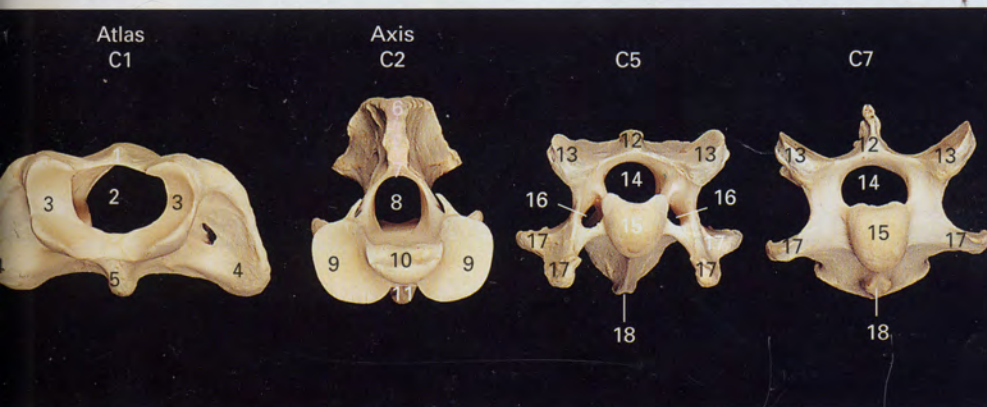
57. Cervical vertebrae (C1-C7) of horse, dorsal view.

Atlas (C1)

- 1 Alar foramen
- 2 Lateral vertebral foramen
- 3 Dorsal arch
- 4 Transverse process (wing)
- 5 Transverse foramen

C2-C7

- 6 Dens (odontoid process) of axis
- 7 Caudal articular process
- 8 Cranial articular process
- 9 Transverse process
- 10 Spinous process



58. Atlas (C1), axis (C2), fifth (C5) and seventh (C7) cervical vertebrae of horse, cranial view.

Atlas (C1)

- 1 Dorsal arch
- 2 Vertebral foramen
- 3 Cranial articular cavity
- 4 Transverse process (wing)
- 5 Ventral tubercle

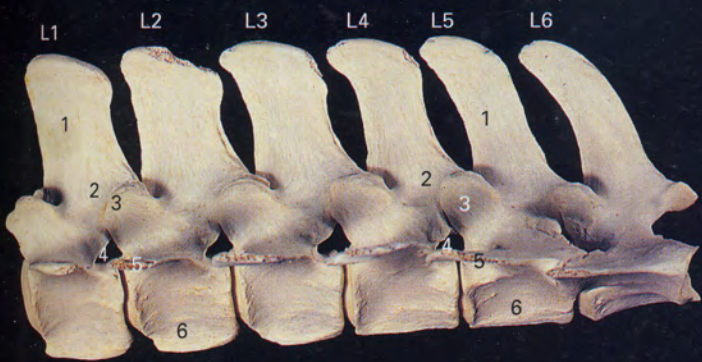
- 9 Cranial articular process
- 10 Dens
- 11 Ventral crest

Axis (C2)

- 6 Spinous process
- 7 Arch
- 8 Vertebral foramen

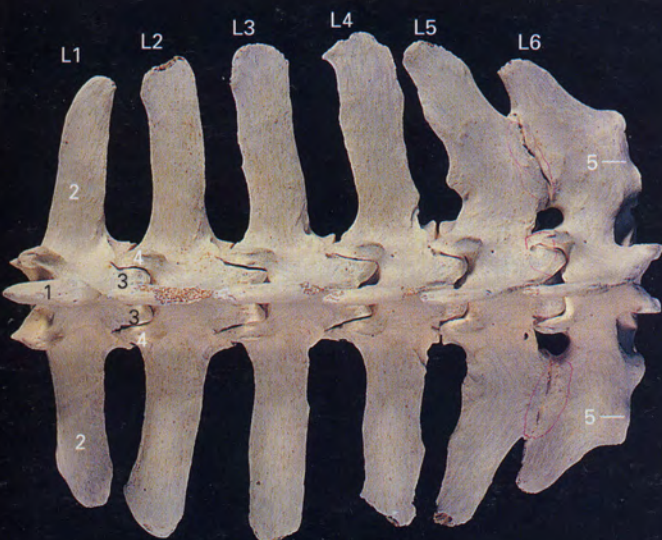
C5, C7

- 12 Spinous process
- 13 Cranial articular process
- 14 Vertebral foramen
- 15 Body
- 16 Transverse foramen
- 17 Transverse process
- 18 Ventral crest



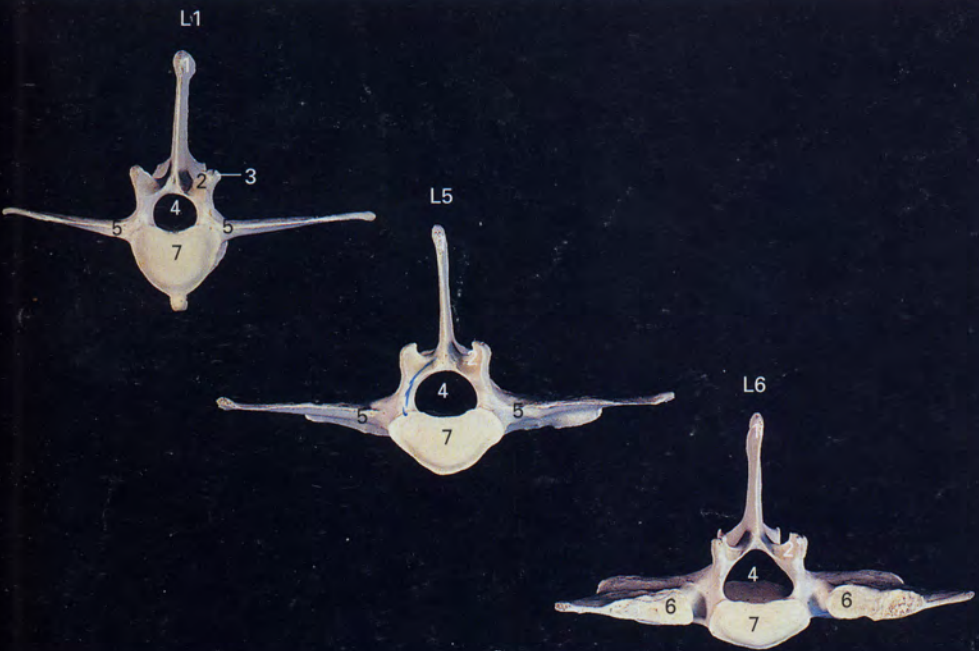
62. Lumbar vertebrae (L1-L6) of horse, lateral view.

- | | |
|-----------------------------|--------------------------|
| 1 Spinous process | 4 Intervertebral foramen |
| 2 Caudal articular process | 5 Transverse process |
| 3 Cranial articular process | 6 Body |



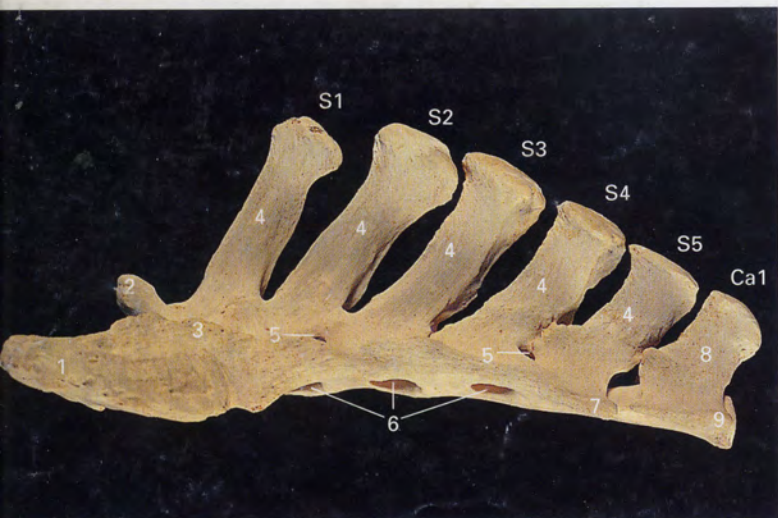
63. Lumbar vertebrae (L1-L6) of horse, dorsal view. Note fusion of transverse processes of fifth and sixth lumbar vertebrae.

- | | |
|-----------------------------|--|
| 1 Spinous process | 5 Surface of transverse process for articulation with wing of sacrum |
| 2 Transverse process | |
| 3 Caudal articular process | |
| 4 Cranial articular process | |



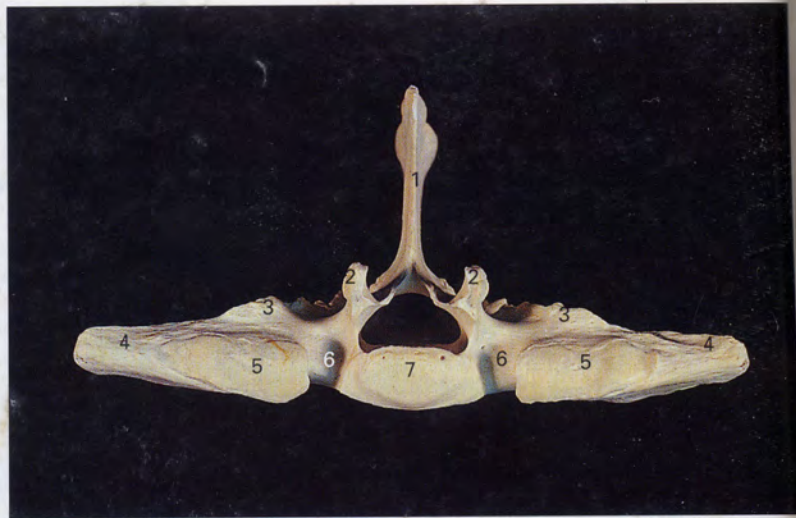
64. First (L1), fifth (L5) and sixth (L6) lumbar vertebrae of horse, cranial view.

- | | |
|-----------------------------|---|
| 1 Spinous process | 5 Transverse process |
| 2 Cranial articular process | 6 Articular surface of transverse process |
| 3 Mamillary process | 7 Body |
| 4 Vertebral foramen | |



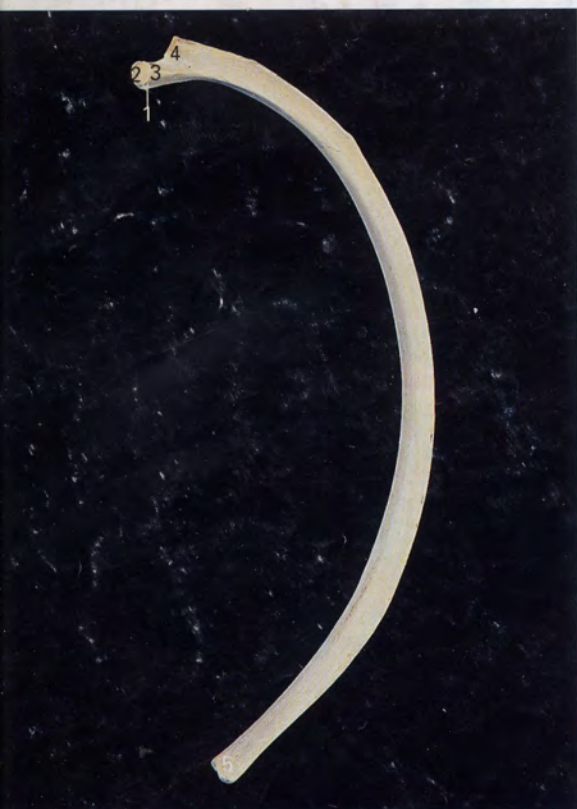
65. Sacrum (S1-S5) and first caudal (Ca1) vertebra of horse, lateral view.

- | | |
|--------------------------------------|---|
| 1 Auricular surface | 7 Transverse process of sacrum |
| 2 Articular process | 8 Spinous process of first caudal vertebra |
| 3 Wing | 9 Transverse process of first caudal vertebra |
| 4 Spinous process of sacral vertebra | |
| 5 Dorsal sacral foramen | |
| 6 Ventral sacral foramen | |



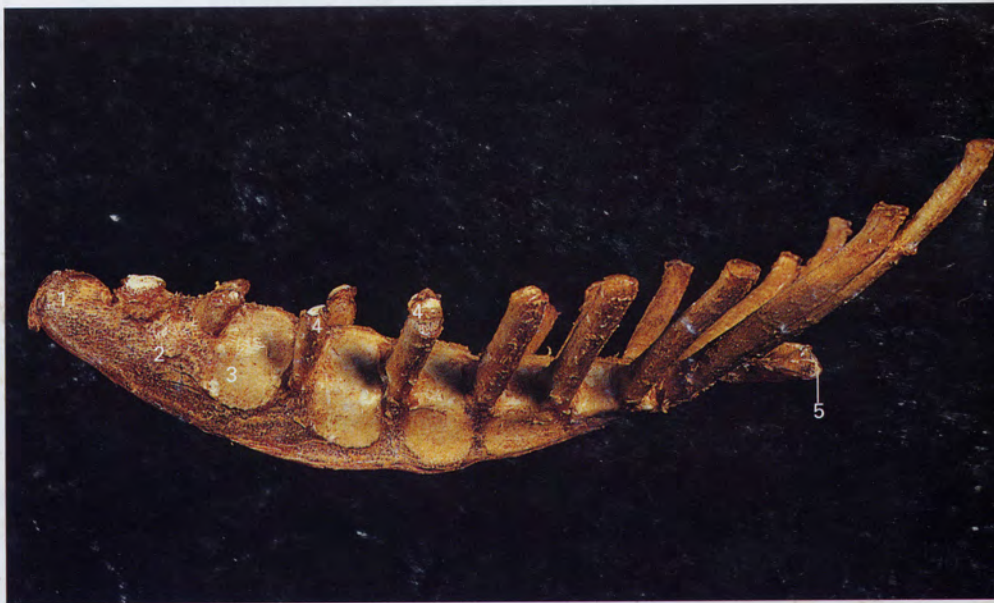
66. Sacrum of horse, cranial view.

- | | |
|---------------------|-----------------------------|
| 1 Spinous process | 5 Articular surface of wing |
| 2 Articular process | 6 Notch |
| 3 Lateral crest | 7 Body |
| 4 Wing | |



67. Left eighth rib of horse, cranial view.

- | | |
|-----------------|---------------------|
| 1 Costal groove | 4 Tubercle |
| 2 Head | 5 Sternal extremity |
| 3 Neck | |



68. Sternum of horse, lateral view.

- | | |
|--------------------------|---------------------|
| 1 Cartilage of manubrium | 4 Costal cartilage |
| 2 Manubrium | 5 Xiphoid cartilage |
| 3 Second sternebra | |



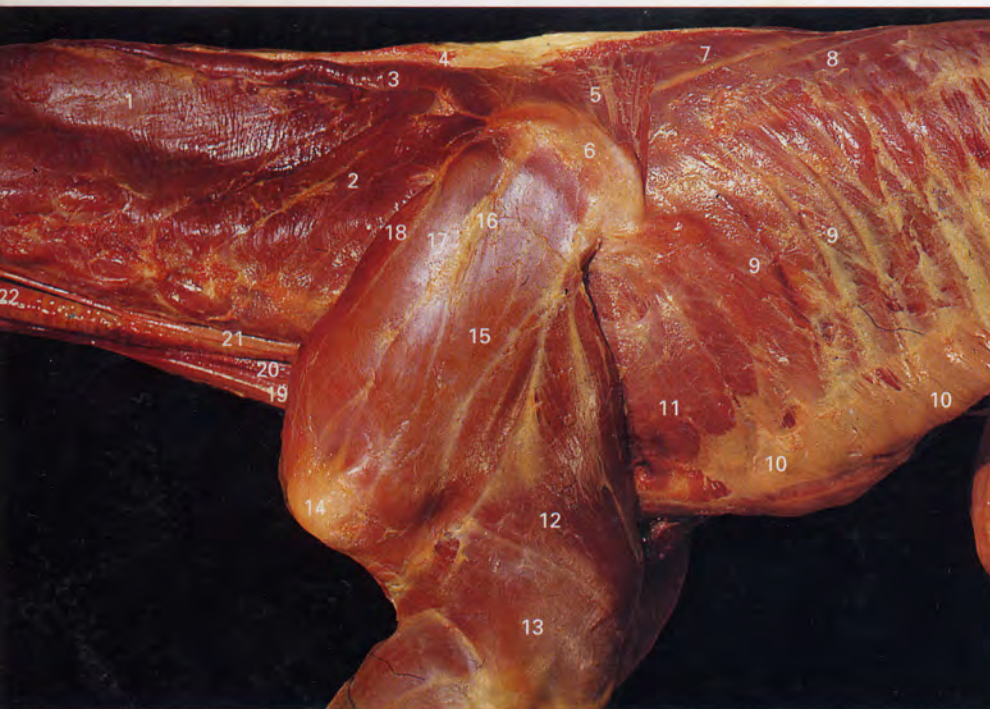
69. Cutaneous musculature of foal, lateral view.

- | | |
|--|-----------------------------|
| 1 M. cutaneus fasciei, part of M. platysma | 3 M. cutaneus omobrachialis |
| 2 M. cutaneus colli, part of M. platysma | 4 M. cutaneus trunci |



70. Superficial dissection of musculature of neck, shoulder and thoracic wall of foal, lateral view. The cutaneous muscles and cervical part of the M. trapezius have been removed.

- | | |
|----------------------------------|------------------------------------|
| 1 M. splenius | 9 M. triceps brachii, lateral head |
| 2 M. rhomboideus cervicis | 10 M. deltoideus |
| 3 M. serratus ventralis cervicis | 11 M. infraspinatus |
| 4 M. trapezius, thoracic part | 12 M. supraspinatus |
| 5 M. latissimus dorsi | 13 M. subclavius |
| 6 M. intercostales externi | 14 M. brachiocephalicus |
| 7 M. pectoralis ascendens | 15 M. sternocephalicus |
| 8 M. triceps brachii, long head | |



71. Deep dissection of musculature of neck, shoulder and thoracic wall of foal, lateral view. The cutaneous muscles, M. trapezius, M. brachiocephalicus and M. sternocephalicus have been removed.

- | | |
|-----------------------------------|-------------------------------------|
| 1 M. splenius | 12 M. triceps brachii, long head |
| 2 M. serratus ventralis cervicis | 13 M. triceps brachii, lateral head |
| 3 M. rhomboideus cervicis | 14 Greater tubercle of humerus |
| 4 Nuchal ligament | 15 M. infraspinatus |
| 5 M. rhomboideus thoracis | 16 Spine of scapula |
| 6 Scapular cartilage | 17 M. supraspinatus |
| 7 M. spinalis thoracis | 18 M. subclavius |
| 8 M. longissimus thoracis | 19 M. sternohyoideus |
| 9 M. intercostales externi | 20 M. sternothyroideus |
| 10 M. obliquus externus abdominis | 21 Oesophagus |
| 11 M. serratus ventralis thoracis | 22 Trachea |



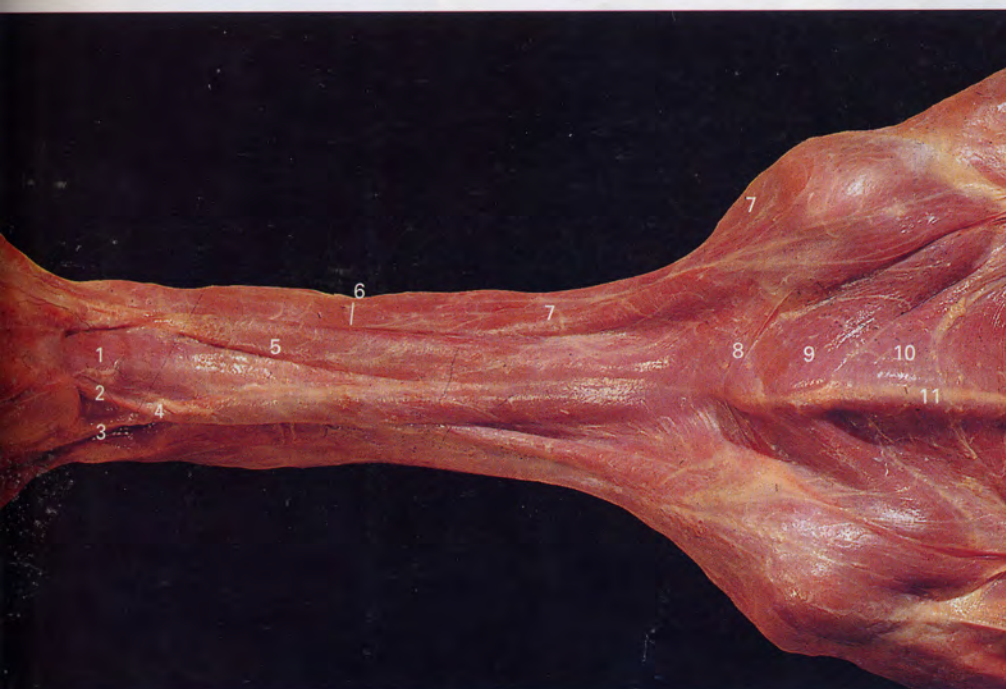
72. Deep dissection of musculature of neck and thoracic wall of foal, lateral view. The left front limb has been removed with the M. serratus dorsalis, M. serratus ventralis, M. trapezius and M. rhomboideus.

- | | |
|--------------------------------------|--|
| 1 M. obliquus capitis caudalis | 7 M. longissimus thoracis |
| 2 Cut edge of M. longissimus capitis | 8 M. spinalis thoracis |
| 3 M. longissimus atlantis | 9 M. iliocostalis thoracis |
| 4 M. semispinalis capitis | 10 M. obliquus externus abdominis |
| 5 Nuchal ligament, funicular part | 11 M. intercostales externi |
| 6 M. longissimus cervicis | 12 M. sternohyoideus and M. sternothyroideus |
| | 13 Trachea |



73. Superficial (left side) and deep (right side) dissections of musculature of neck and trunk of foal, dorsal view. The cutaneous muscles, M. trapezius and M. latissimus dorsi have been removed on the right side.

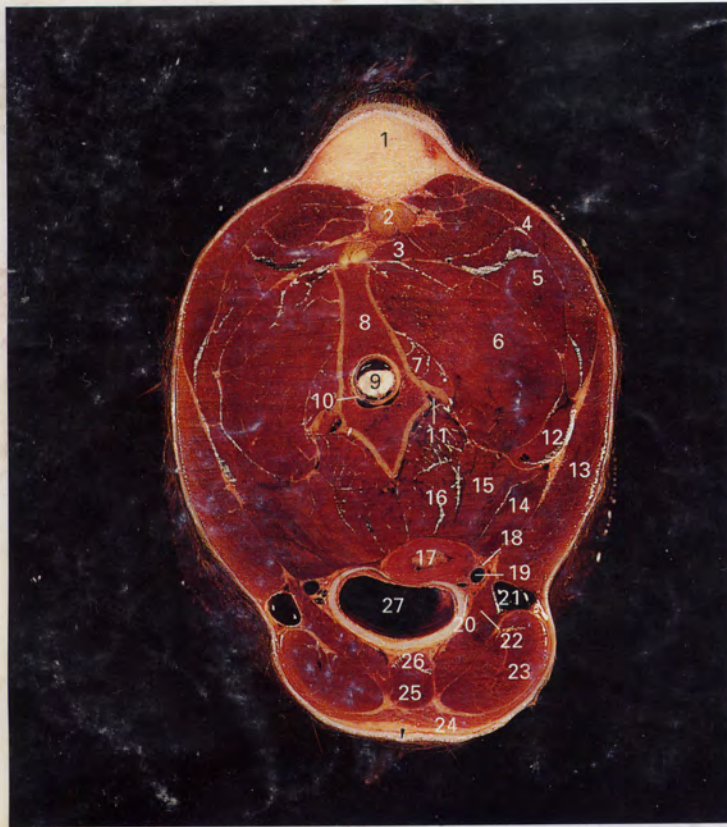
- | | |
|-------------------------------------|----------------------------------|
| 1 Funicular part of nuchal ligament | 9 M. rhomboideus thoracis |
| 2 M. splenius | 10 M. spinalis thoracis |
| 3 M. rhomboideus cervicis | 11 M. intercostales externi |
| 4 Greater tubercle of humerus | 12 M. serratus dorsalis caudalis |
| 5 M. supraspinatus | 13 M. longissimus thoracis |
| 6 M. infraspinatus | 14 Lumbodorsal fascia |
| 7 Spine of scapula | 15 M. cutaneus trunci |
| 8 Cartilage of scapula | 16 M. cutaneus omobranchialis |



74. Superficial dissection of musculature of neck and pectoral region of foal, ventral view.

- | | |
|--|-----------------------------|
| 1 M. sternohyoideus and M. omohyoideus | 6 Jugular groove |
| 2 Maxillary vein | 7 M. brachiocephalicus |
| 3 Linguofacial vein | 8 M. cutaneus colli |
| 4 External jugular vein | 9 M. pectoralis transversus |
| 5 M. sternocephalicus | 10 M. pectoralis descendens |
| | 11 Sternum |

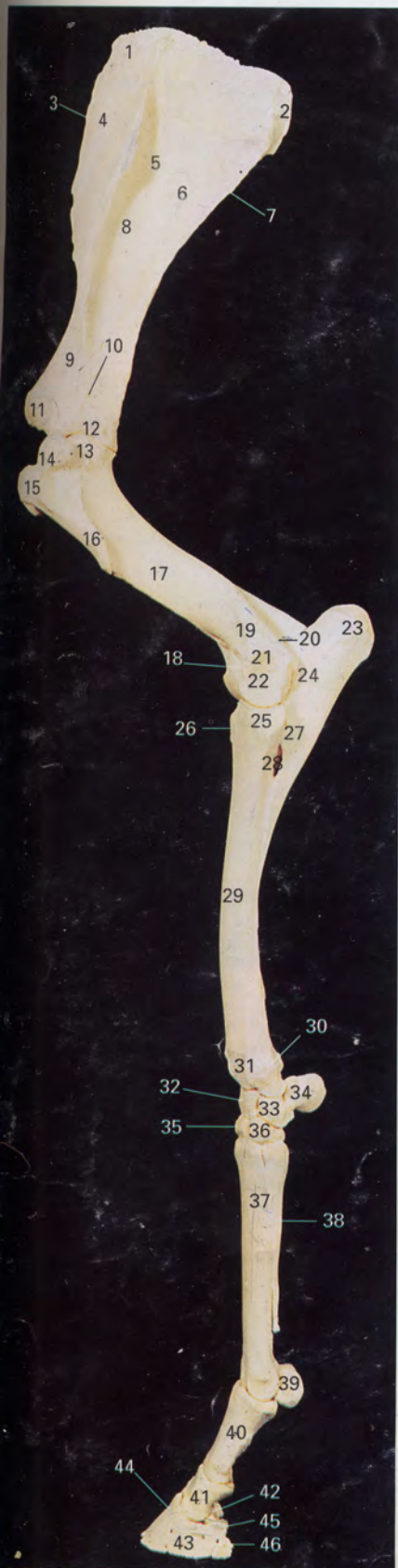
3 Spinal Column



75. Transverse section through neck of horse at the level of the second cervical vertebra, cranial view. The vertebra is slightly twisted.

- | | |
|------------------------------------|------------------------------|
| 1 Nuchal adipose body (crest) | 12 M. longissimus capitis |
| 2 Nuchal ligament, funicular part | 13 M. brachiocephalicus |
| 3 M. rectus capitis dorsalis major | 14 M. longissimus atlantis |
| 4 M. splenius | 15 M. longus capitis |
| 5 M. semispinalis capitis | 16 M. longus colli |
| 6 M. obliquus capitis dorsalis | 17 Oesophagus |
| 7 M. multifidus cervicis | 18 Vagosympathetic trunk |
| 8 Second cervical vertebra (axis) | 19 Common carotid artery |
| 9 Spinal cord | 20 Recurrent laryngeal nerve |
| 10 Internal vertebral plexus | 21 External jugular vein |
| 11 Vertebral artery and vein | 22 M. omohyoideus |
| | 23 M. sternocephalicus |
| | 24 M. cutaneus colli |
| | 25 M. sternohyoideus |
| | 26 M. sternothyroideus |
| | 27 Trachea |

4 Thoracic Limb and Digit



76. Skeleton of left thoracic limb of horse, lateral view.

Scapula

- 1 Cranial angle
- 2 Caudal angle
- 3 Cranial border
- 4 Supraspinous fossa
- 5 Tuber of scapular spine
- 6 Infraspinous fossa
- 7 Caudal border
- 8 Spine
- 9 Neck
- 10 Nutrient foramen
- 11 Supraglenoid tubercle
- 12 Glenoid cavity

Humerus

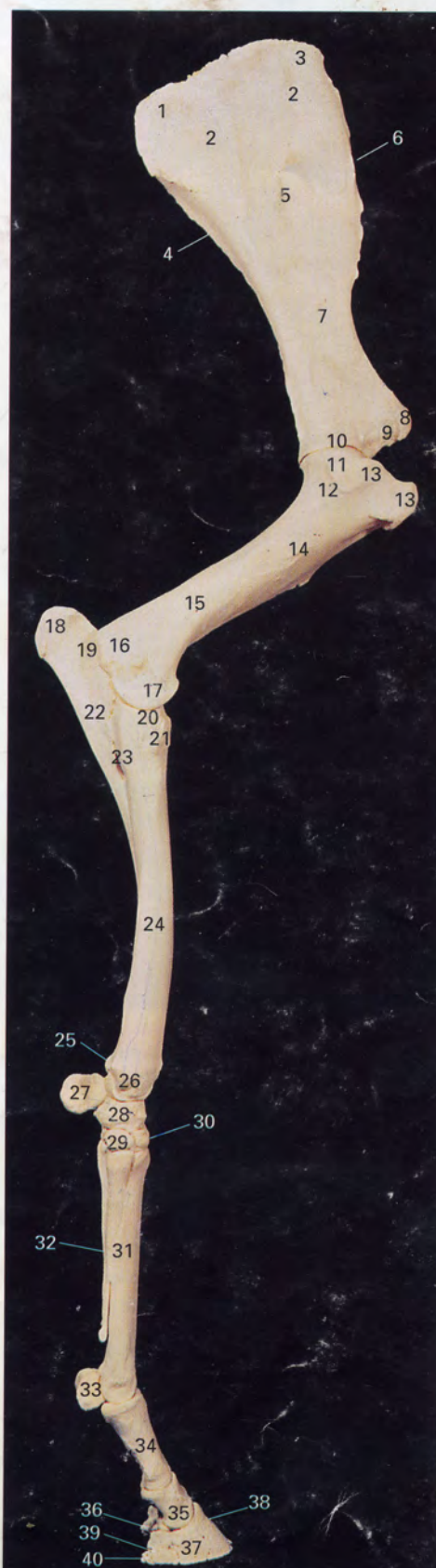
- 13 Head
- 14 Greater tubercle
- 15 Intertuberal groove
- 16 Deltoid tuberosity
- 17 Body
- 18 Radial fossa
- 19 Lateral supracondyloid crest
- 20 Olecranon fossa
- 21 Lateral epicondyle
- 22 Condyle

Antebrachium

- 23 Olecranon tuberosity
- 24 Trochlear notch
- 25 Capitular fovea
- 26 Radial tuberosity
- 27 Body of ulna
- 28 Interosseous space
- 29 Body of radius
- 30 Transverse crest
- 31 Trochlea

Manus

- 32 Intermediate carpal bone
- 33 Ulnar carpal bone
- 34 Accessory carpal bone
- 35 Third carpal bone
- 36 Fourth carpal bone
- 37 Metacarpal III (cannon bone)
- 38 Metacarpal IV (lateral splint bone)
- 39 Proximal sesamoid bone
- 40 Proximal phalanx
- 41 Middle phalanx
- 42 Distal sesamoid (navicular) bone
- 43 Distal phalanx
- 44 Extensor process
- 45 Lateral parietal sulcus
- 46 Lateral process



77. Skeleton of left thoracic limb of horse, medial view.

Scapula

- 1 Caudal angle
- 2 Serrated surface
- 3 Cranial angle
- 4 Caudal border
- 5 Subscapular fossa
- 6 Cranial border
- 7 Neck
- 8 Supraglenoid tubercle
- 9 Acromion process
- 10 Glenoid cavity

Humerus

- 11 Head
- 12 Neck
- 13 Lesser tubercle
- 14 Teres major tuberosity
- 15 Body
- 16 Medial epicondyle
- 17 Condyle

Antebrachium

- 18 Olecranon tuberosity
- 19 Trochlear notch
- 20 Capitular fovea
- 21 Radial tuberosity
- 22 Body of ulna
- 23 Interosseous space
- 24 Body of radius
- 25 Transverse crest
- 26 Trochlea

Manus

- 27 Accessory carpal bone
- 28 Radial carpal bone
- 29 Second carpal bone
- 30 Third carpal bone
- 31 Metacarpal III (cannon bone)
- 32 Metacarpal II (medial splint bone)
- 33 Proximal sesamoid bone
- 34 Proximal phalanx
- 35 Middle phalanx
- 36 Distal sesamoid (navicular) bone
- 37 Distal phalanx
- 38 Extensor process
- 39 Medial parietal sulcus
- 40 Medial process

Cranial



proximal

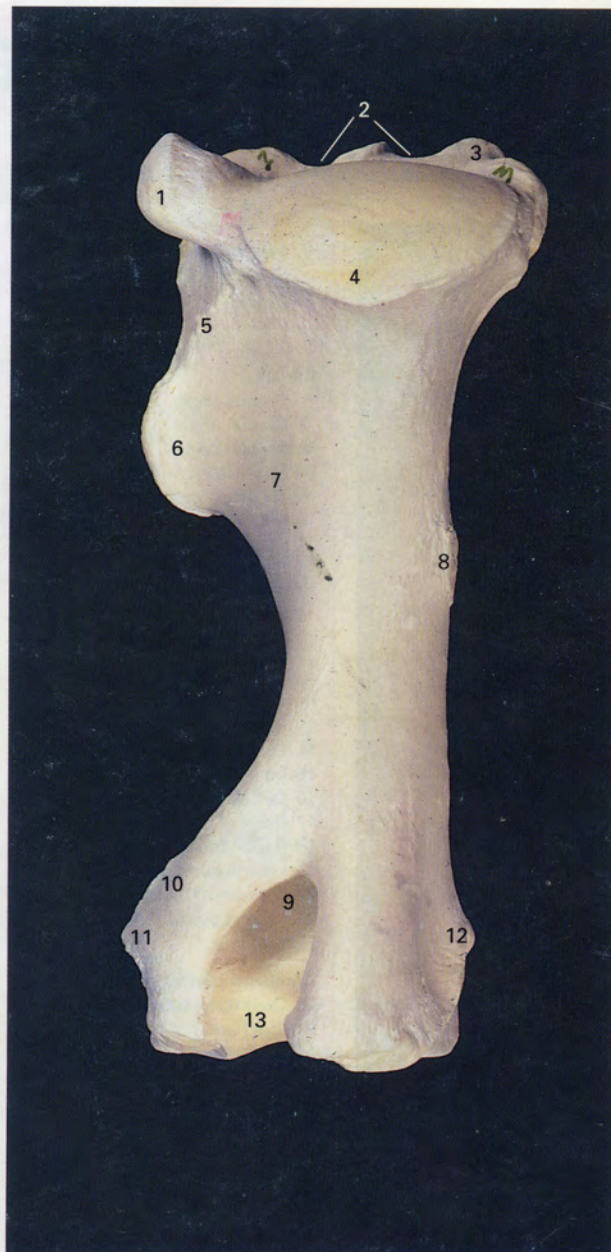
Lateral

→ distal

78. Left humerus of horse, cranial view.

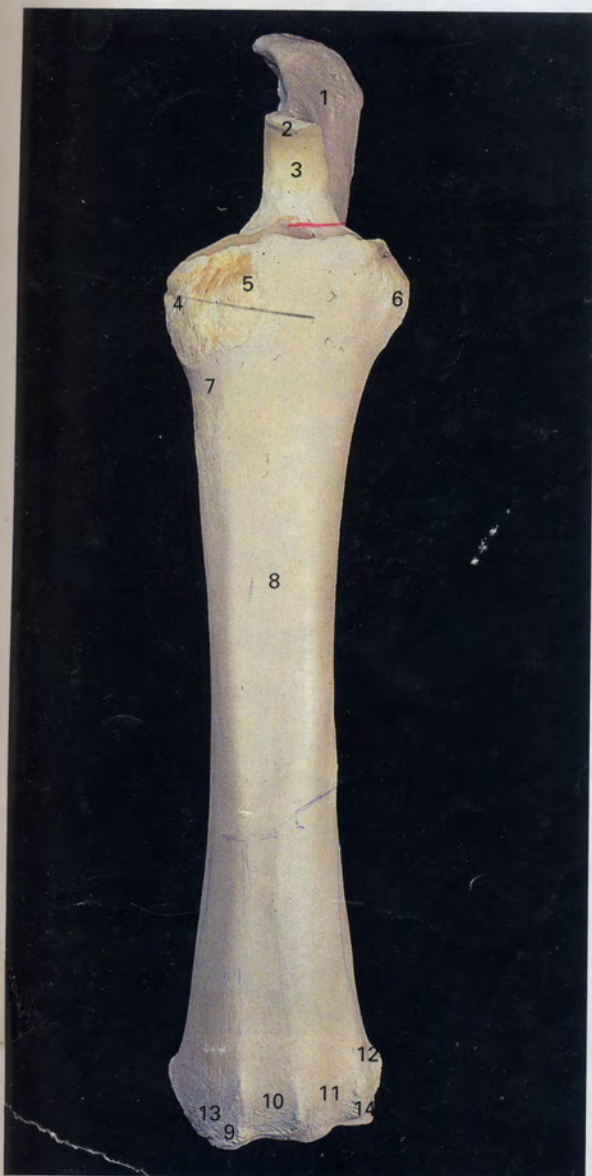
- | | |
|--|-----------------------------|
| 1 Intertuberal groove | 8 Humeral crest |
| 2 Lesser tubercle | 9 Lateral epicondylar crest |
| 3 Intermediate tubercle | 10 Medial epicondyle |
| 4 Greater tubercle | 11 Radial fossa |
| 5 Deltoid tuberosity | 12 Lateral epicondyle |
| 6 Teres major tuberosity | 13 Trochlea |
| 7 M. brachialis (musculospiral) groove | |

Lateral tuberosity



79. Left humerus of horse, caudal view.

- | | |
|--|------------------------------|
| 1 Greater tubercle (anterior) | 8 Teres major tuberosity |
| 2 Intertuberal groove | 9 Olecranon fossa |
| 3 Lesser tubercle | 10 Lateral epicondylar crest |
| 4 Head | 11 Lateral epicondyle |
| 5 Tricipital line | 12 Medial epicondyle |
| 6 Deltoid tuberosity | 13 Trochlea |
| 7 M. brachialis (musculospiral) groove | |



80. Left radius and ulna of horse, cranial view.

Ulna

- 1 Olecranon tuberosity
- 2 Anconeal process
- 3 Trochlear notch

Radius

- 4 Medial tuberosity
- 5 Radial tuberosity
- 6 Lateral tuberosity
- 7 Groove for M. brachialis
- 8 Body

- 9 Groove for tendon of M. abductor digiti I longus
- 10 Groove for tendon of M. extensor carpi radialis
- 11 Groove for tendon of M. extensor digitorum communis
- 12 Groove for tendon of M. extensor digitorum lateralis
- 13 Medial styloid process
- 14 Lateral styloid process

medial g. .9
middle g. .10
lateral g. .11



81. Left radius and ulna of horse, caudal view.

Ulna

- 1 Olecranon tuberosity
- 2 Body

Radius

- 3 Lateral tuberosity
- 4 Medial tuberosity
- 5 Intersosseous space

Ulna

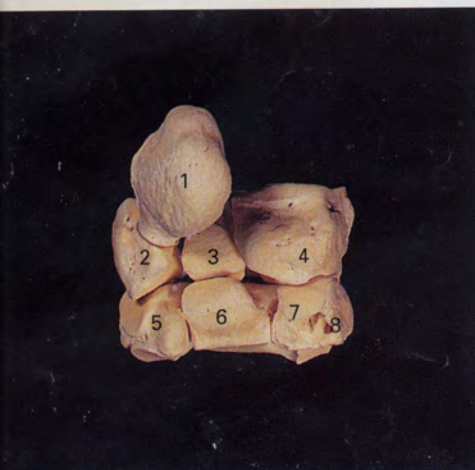
- 6 Body
- 7 Groove for tendon of M. extensor digitorum lateralis
- 8 Transverse crest
- 9 Lateral styloid process
- 10 Medial styloid process



Left carpal bones of horse, dorsal view.

Radial carpal bone
Intermediate carpal bone
Ulnar carpal bone

4 Second carpal bone
5 Third carpal bone
6 Fourth carpal bone



Left carpal bones of horse, palmar view.

Accessory carpal bone
Ulnar carpal bone
Intermediate carpal bone
Radial carpal bone

5 Fourth carpal bone
6 Third carpal bone
7 Second carpal bone
8 First carpal bone (inconstant)



84. Left metacarpal bones of horse, dorsal view.

1 Metacarpal tuberosity
2 Metacarpal II (medial splint bone)
3 Metacarpal III (cannon bone)

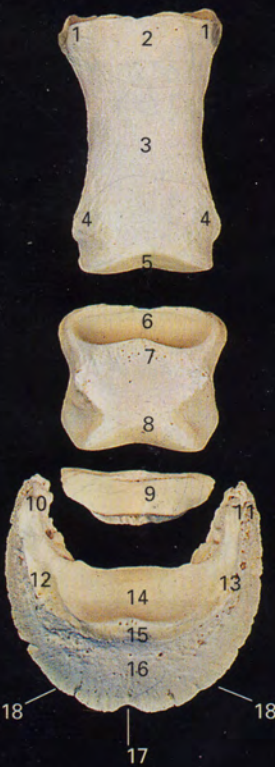
4 Metacarpal IV (lateral splint bone)
5 Sagittal ridge



85. Left metacarpal and proximal sesamoid bones of horse, palmar view.

1 Metacarpal IV (lateral splint bone)
2 Metacarpal III (cannon bone)
3 Metacarpal II (medial splint bone)
4 Nutrient foramen
5 Metacarpal IV, distal extremity (button)
6 Metacarpal II, distal extremity (button)

7 Lateral proximal sesamoid bone
8 Medial proximal sesamoid bone
9 Abaxial surface
10 Axial surface
11 Apex
12 Base
13 Sagittal ridge



86. Bones of left digit of horse, dorsal view.

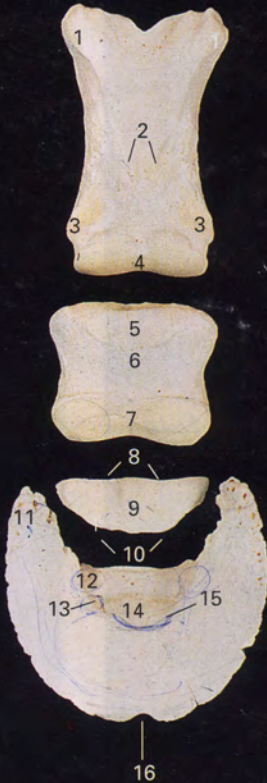
- Proximal phalanx**

 - 1 Eminences for attachment of collateral ligaments of metacarpophalangeal joint
 - 2 Eminence for attachment of digital extensor tendons
 - 3 Body
 - 4 Eminences for attachment of collateral ligaments of proximal interphalangeal joint
 - 5 Distal articular surface
- Middle phalanx**

 - 6 Proximal articular surface
 - 7 Extensor process
 - 8 Distal articular surface
- Distal sesamoid (navicular) bone**

 - 9 Articular surface
- Distal phalanx**

 - 10 Medial palmar process
 - 11 Lateral palmar process
 - 12 Medial parietal sulcus
 - 13 Lateral parietal sulcus
 - 14 Articular surface
 - 15 Extensor process
 - 16 Parietal surface
 - 17 Crena
 - 18 Solar border



87. Bones of left digit of horse, palmar view.

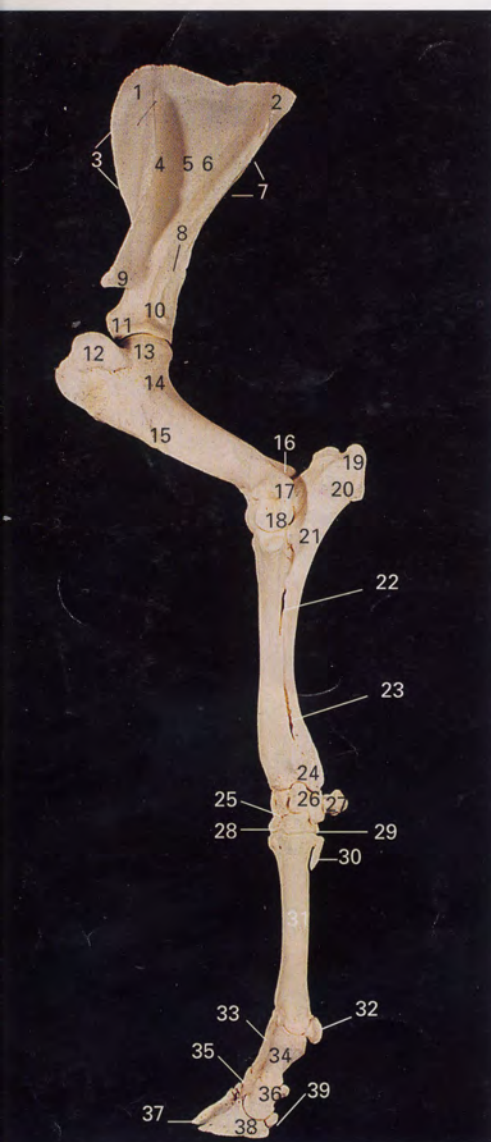
- Proximal phalanx**

 - 1 Eminences for attachment of collateral ligaments of metacarpophalangeal joint
 - 2 Triangular rough area
 - 3 Eminences for attachment of collateral ligaments of proximal interphalangeal joint
 - 4 Condyle
- Middle phalanx**

 - 5 Articular fovea
 - 6 Flexor tuberosity
 - 7 Condyle
- Distal sesamoid (navicular) bone**

 - 8 Proximal border
 - 9 Flexor surface
 - 10 Distal border
- Distal phalanx**

 - 11 Lateral palmar process
 - 12 Lateral solar groove
 - 13 Lateral solar foramen
 - 14 Flexor surface
 - 15 Semilunar line
 - 16 Crena



88. Skeleton of left thoracic limb of ox, lateral view.

Scapula

- 1 Cranial angle
- 2 Caudal angle
- 3 Cranial border
- 4 Supraspinous fossa
- 5 Spine
- 6 Infraspinous fossa
- 7 Caudal border
- 8 Nutrient foramen
- 9 Acromion
- 10 Neck
- 11 Supraglenoid tubercle

Humerus

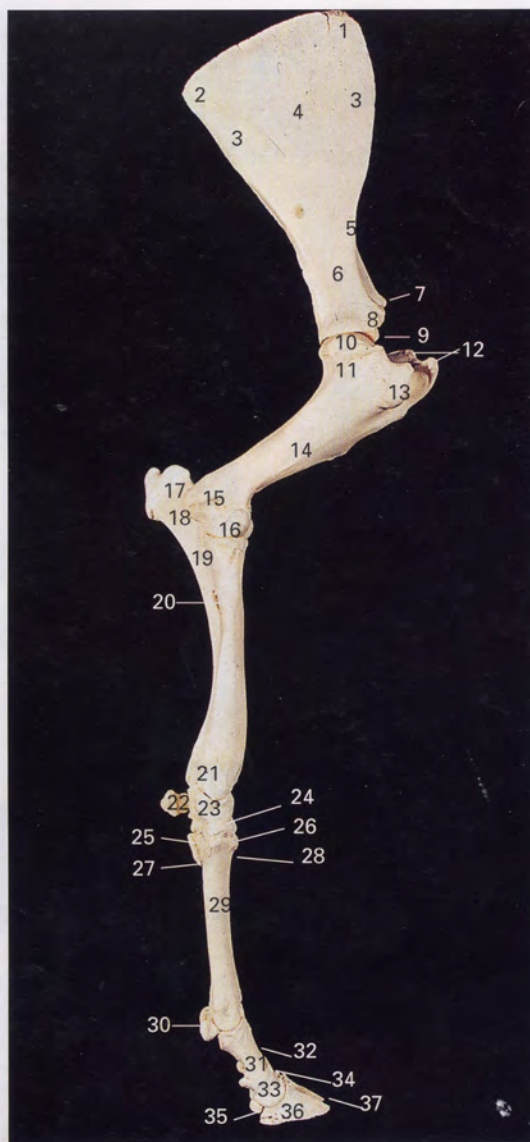
- 2 Greater tubercle
- 3 Head
- 4 Neck
- 5 Deltoid tuberosity
- 6 Olecranon fossa
- 7 Lateral epicondyle
- 8 Condyle

Antebrachium

- 9 Olecranon tuberosity
- 10 Olecranon
- 11 Body of ulna
- 12 Proximal interosseous space of forearm
- 13 Distal interosseous space of forearm
- 14 Styloid process

Manus

- 25 Intermediate carpal bone
- 26 Ulnar carpal bone
- 27 Accessory carpal bone
- 28 Second and third carpal bones (fused)
- 29 Fourth carpal bone
- 30 Metacarpal V
- 31 Metacarpals III and IV (fused)
- 32 Proximal sesamoid bone
- 33 Proximal phalanx, digit III
- 34 Proximal phalanx, digit IV
- 35 Middle phalanx, digit III
- 36 Middle phalanx, digit IV
- 37 Distal phalanx, digit III
- 38 Distal phalanx, digit IV
- 39 Distal sesamoid bone, digit IV



89. Skeleton of left thoracic limb of ox, medial view.

Scapula

- 1 Cranial angle
- 2 Caudal angle
- 3 Facies serrata
- 4 Fossa subscapularis
- 5 Scapular notch
- 6 Neck
- 7 Acromion
- 8 Supraglenoid tubercle
- 9 Coracoid process

Humerus

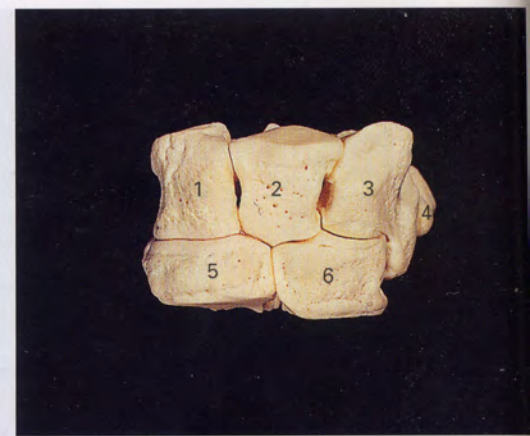
- 10 Head
- 11 Neck
- 12 Greater tubercle
- 13 Lesser tubercle
- 14 Teres major tuberosity
- 15 Medial epicondyle
- 16 Condyle

Antebrachium

- 17 Olecranon tuber
- 18 Olecranon
- 19 Body of ulna
- 20 Proximal interosseous space of forearm
- 21 Styloid process

Manus

- 22 Accessory carpal bone
- 23 Radial carpal bone
- 24 Intermediate carpal bone
- 25 Fourth carpal bone
- 26 Second and third carpal bones (fused)
- 27 Metacarpal V
- 28 Metacarpal tuberosity
- 29 Metacarpals III and IV (fused)
- 30 Proximal sesamoid bone
- 31 Proximal phalanx, digit III
- 32 Proximal phalanx, digit IV
- 33 Middle phalanx, digit III
- 34 Middle phalanx, digit IV
- 35 Distal sesamoid bone, digit III
- 36 Distal phalanx, digit III
- 37 Distal phalanx, digit IV



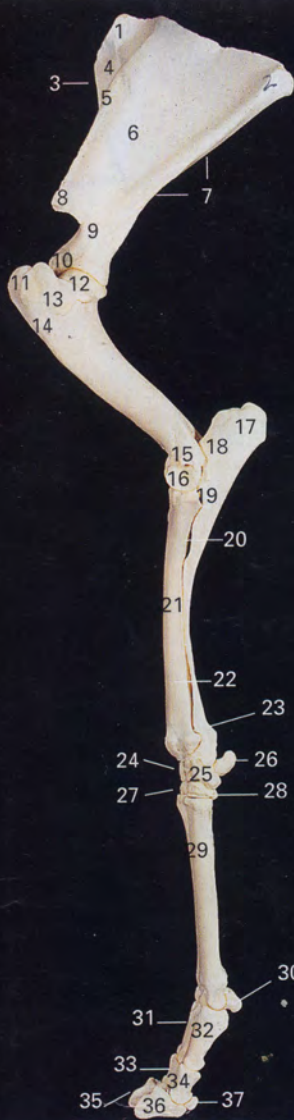
90. Left carpal bones of ox, dorsal view.

- | | |
|----------------------------|---|
| 1 Radial carpal bone | 4 Accessory carpal bone |
| 2 Intermediate carpal bone | 5 Second and third carpal bones (fused) |
| 3 Ulnar carpal bone | 6 Fourth carpal bone |



91. Left carpal bones of ox, palmar view.

- | | |
|----------------------------|---|
| 1 Accessory carpal bone | 4 Radial carpal bone |
| 2 Ulnar carpal bone | 5 Fourth carpal bone |
| 3 Intermediate carpal bone | 6 Second and third carpal bones (fused) |



92. Skeleton of left thoracic limb of sheep, lateral view.

Scapula

- 1 Cranial angle
- 2 Caudal angle
- 3 Cranial border
- 4 Supraspinous fossa
- 5 Spine
- 6 Infraspinous fossa
- 7 Caudal border
- 8 Acromion
- 9 Neck
- 10 Supraglenoid tubercle

Humerus

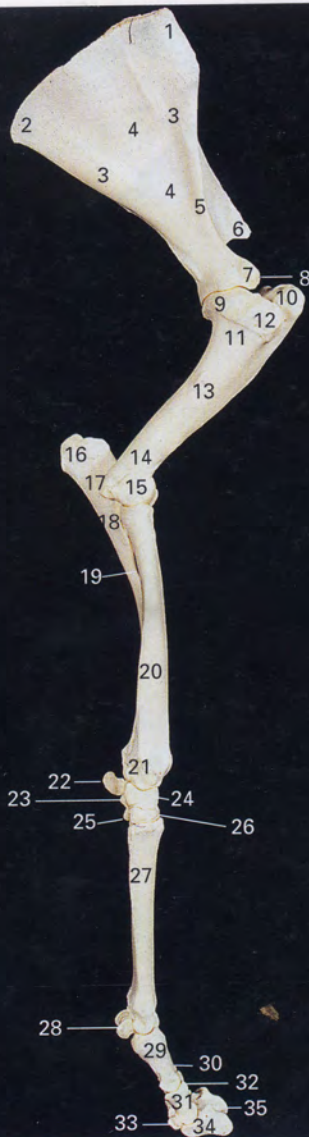
- 11 Greater tubercle
- 12 Head
- 13 Neck
- 14 Deltoid tuberosity
- 15 Lateral epicondyle
- 16 Condyle

Antebrachium

- 17 Olecranon tuberosity
- 18 Olecranon
- 19 Body of ulna
- 20 Proximal interosseous space of forearm
- 21 Body of radius
- 22 Distal interosseous space of forearm
- 23 Styloid process

Manus

- 24 Intermediate carpal bone
- 25 Ulnar carpal bone
- 26 Accessory carpal bone
- 27 Second and third carpal bones (fused)
- 28 Fourth carpal bone
- 29 Metacarpals III and IV (fused)
- 30 Proximal sesamoid bone
- 31 Proximal phalanx, digit III
- 32 Proximal phalanx, digit IV
- 33 Middle phalanx, digit III
- 34 Middle phalanx, digit IV
- 35 Distal phalanx, digit III
- 36 Distal phalanx, digit IV
- 37 Distal sesamoid bone, digit IV



93. Skeleton of left thoracic limb of sheep, medial view.

Scapula

- 1 Cranial angle
- 2 Caudal angle
- 3 Facies serrata
- 4 Subscapular fossa
- 5 Scapular notch
- 6 Acromion
- 7 Supraglenoid tubercle
- 8 Coracoid process

Humerus

- 9 Head
- 10 Greater tubercle
- 11 Neck
- 12 Lesser tubercle
- 13 Teres major tuberosity
- 14 Medial epicondyle
- 15 Condyle

Antebrachium

- 16 Olecranon tuberosity
- 17 Olecranon
- 18 Body of ulna
- 19 Proximal interosseous space of forearm
- 20 Body of radius
- 21 Styloid process

Manus

- 22 Accessory carpal bone
- 23 Ulnar carpal bone
- 24 Intermediate carpal bone
- 25 Fourth carpal bone
- 26 Second and third carpal bones (fused)
- 27 Metacarpals III and IV (fused)
- 28 Proximal sesamoid bone
- 29 Proximal phalanx, digit III
- 30 Proximal phalanx, digit IV
- 31 Middle phalanx, digit III
- 32 Middle phalanx, digit IV
- 33 Distal sesamoid bone, digit III
- 34 Distal phalanx, digit III
- 35 Distal phalanx, digit IV



94. Left carpal bones of sheep, dorsal view.

- 1 Accessory carpal bone
- 2 Radial carpal bone
- 3 Intermediate carpal bone

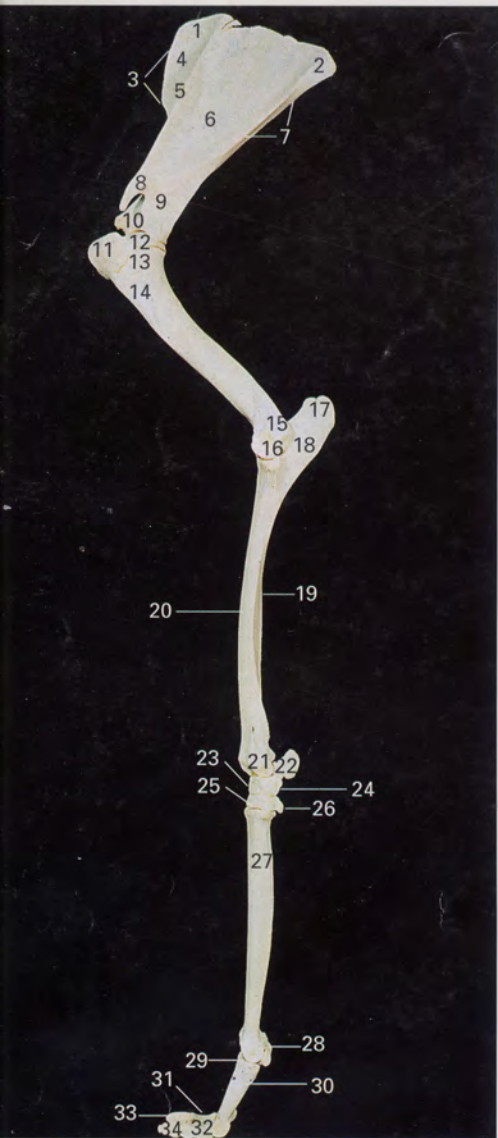
- 4 Ulnar carpal bone
- 5 Second and third carpal bones (fused)
- 6 Fourth carpal bone



95. Left carpal bones of sheep, palmar view.

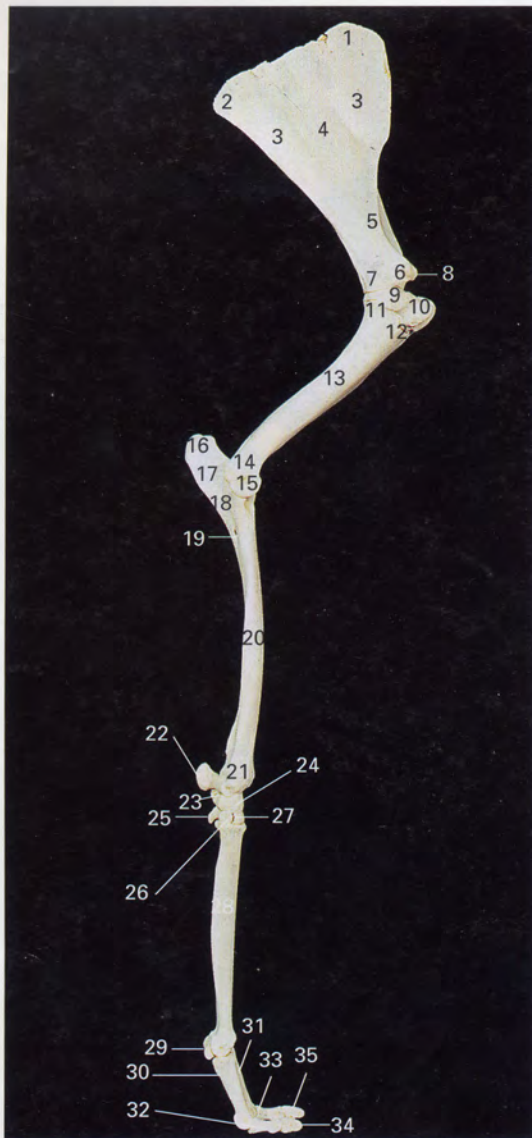
- 1 Accessory carpal bone
- 2 Ulnar carpal bone
- 3 Intermediate carpal bone

- 4 Radial carpal bone
- 5 Fourth carpal bone
- 6 Second and third carpal bones (fused)



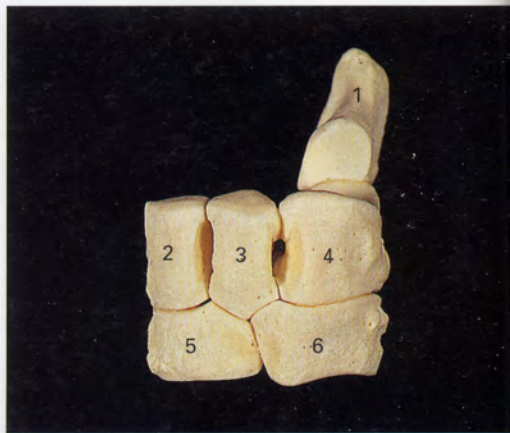
96. Skeleton of left thoracic limb of llama, lateral view.

- | | |
|--------------------------|-----------------------------------|
| Scapula | Manus |
| 1 Cranial angle | 22 Accessory carpal bone |
| 2 Caudal angle | 23 Intermediate carpal bone |
| 3 Cranial border | 24 Ulnar carpal bone |
| 4 Supraspinous fossa | 25 Third carpal bone |
| 5 Spine | 26 Fourth carpal bone |
| 6 Infraspinous fossa | 27 Metacarpals III and IV (fused) |
| 7 Caudal border | 28 Proximal sesamoid bone |
| 8 Acromion | 29 Proximal phalanx, digit III |
| 9 Neck | 30 Proximal phalanx, digit IV |
| 10 Supraglenoid tubercle | 31 Middle phalanx, digit III |
| Humerus | 32 Middle phalanx, digit IV |
| 11 Greater tubercle | 33 Distal phalanx, digit III |
| 12 Head | 34 Distal phalanx, digit IV |
| 13 Neck | |
| 14 Deltoid tuberosity | |
| 15 Lateral epicondyle | |
| 16 Condyle | |
| Antebrachium | |
| 17 Olecranon tuberosity | |
| 18 Olecranon | |
| 19 Body of ulna | |
| 20 Body of radius | |
| 21 Styloid process | |



97. Skeleton of left thoracic limb of llama, medial view.

- | | |
|---|-----------------------------------|
| Scapula | 21 Styloid process |
| 1 Cranial angle | Manus |
| 2 Caudal angle | 22 Accessory carpal bone |
| 3 Facies serrata | 23 Ulnar carpal bone |
| 4 Subscapular fossa | 24 Radial carpal bone |
| 5 Scapular notch | 25 Fourth carpal bone |
| 6 Acromion | 26 Second carpal bone |
| 7 Supraglenoid tubercle | 27 Third carpal bone |
| 8 Coracoid process | 28 Metacarpals III and IV (fused) |
| Humerus | 29 Proximal sesamoid bone |
| 9 Head | 30 Proximal phalanx, digit III |
| 10 Greater tubercle | 31 Proximal phalanx, digit IV |
| 11 Neck | 32 Middle phalanx, digit III |
| 12 Lesser tubercle | 33 Middle phalanx, digit IV |
| 13 Body | 34 Distal phalanx, digit III |
| 14 Medial epicondyle | 35 Distal phalanx, digit IV |
| 15 Condyle | |
| Antebrachium | |
| 16 Olecranon tuberosity | |
| 17 Olecranon | |
| 18 Body of ulna | |
| 19 Proximal interosseous space of forearm | |
| 20 Body of radius | |



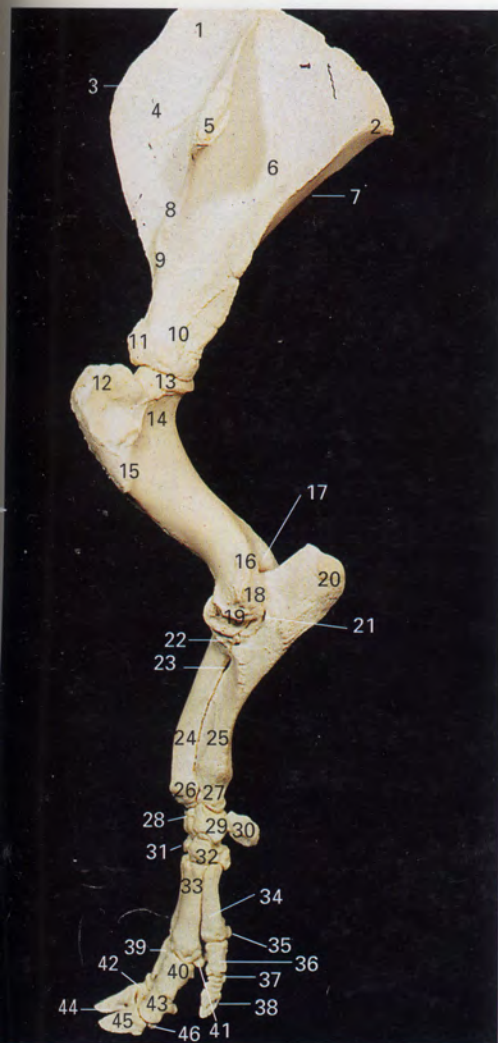
98. Left carpal bones of llama, dorsal view.

- | | |
|----------------------------|----------------------|
| 1 Accessory carpal bone | 4 Ulnar carpal bone |
| 2 Radial carpal bone | 5 Third carpal bone |
| 3 Intermediate carpal bone | 6 Fourth carpal bone |



99. Left carpal bones of llama, palmar view.

- | | |
|----------------------------|----------------------|
| 1 Accessory carpal bone | 4 Radial carpal bone |
| 2 Ulnar carpal bone | 5 Fourth carpal bone |
| 3 Intermediate carpal bone | 6 Third carpal bone |
| | 7 Second carpal bone |



100. Skeleton of left thoracic limb of pig, lateral view.

Scapula

- 1 Cranial angle
- 2 Caudal angle
- 3 Cranial border
- 4 Supraspinous fossa
- 5 Tuber of scapular spine
- 6 Infraspinous fossa
- 7 Caudal border
- 8 Spine
- 9 Acromion
- 10 Neck
- 11 Supraglenoid tubercle

Humerus

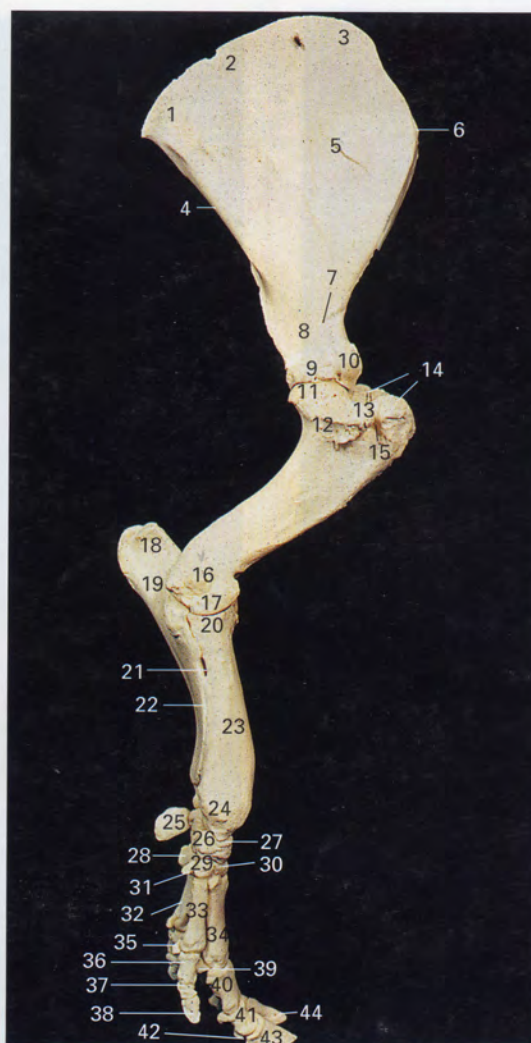
- 12 Greater tubercle
- 13 Head
- 14 Neck
- 15 Deltoid tuberosity
- 16 Lateral supracondyloid crest
- 17 Olecranon fossa
- 18 Lateral epicondyle
- 19 Condyle

Antebrachium

- 20 Olecranon tuberosity
- 21 Trochlear notch
- 22 Capitular fovea
- 23 Interosseous space
- 24 Body of radius
- 25 Body of ulna
- 26 Trochlea
- 27 Styloid process

Manus

- 28 Intermediate carpal bone
- 29 Ulnar carpal bone
- 30 Accessory carpal bone
- 31 Third carpal bone
- 32 Fourth carpal bone
- 33 Metacarpal IV
- 34 Metacarpal V
- 35 Proximal sesamoid bone, digit V
- 36 Proximal phalanx, digit V
- 37 Middle phalanx, digit V
- 38 Distal phalanx, digit V
- 39 Proximal phalanx, digit III
- 40 Proximal phalanx, digit IV
- 41 Proximal sesamoid bone, digit IV
- 42 Middle phalanx, digit III
- 43 Middle phalanx, digit IV
- 44 Distal phalanx, digit III
- 45 Distal phalanx, digit IV
- 46 Distal sesamoid bone, digit IV



101. Skeleton of left thoracic limb of pig, medial view.

Scapula

- 1 Caudal angle
- 2 Serrated surface
- 3 Cranial angle
- 4 Caudal border
- 5 Subscapular fossa
- 6 Cranial border
- 7 Vascular groove
- 8 Neck
- 9 Glenoid cavity
- 10 Supraglenoid tubercle

Humerus

- 11 Head
- 12 Neck
- 13 Lesser tubercle
- 14 Greater tubercle
- 15 Intertuberal groove
- 16 Medial epicondyle
- 17 Condyle

Antebrachium

- 18 Olecranon
- 19 Trochlear notch
- 20 Capitular fovea
- 21 Interosseous space
- 22 Body of ulna
- 23 Body of radius
- 24 Styloid process

Manus

- 25 Accessory carpal bone
- 26 Radial carpal bone
- 27 Intermediate carpal bone
- 28 Second carpal bone
- 29 Third carpal bone
- 30 Fourth carpal bone
- 31 First carpal bone
- 32 Metacarpal V
- 33 Metacarpal II
- 34 Metacarpal III
- 35 Proximal sesamoid bone, digit II
- 36 Proximal phalanx, digit II
- 37 Middle phalanx, digit II
- 38 Distal phalanx, digit II
- 39 Proximal sesamoid bone, digit III
- 40 Proximal phalanx, digit III
- 41 Middle phalanx, digit III
- 42 Distal sesamoid bone, digit III
- 43 Distal phalanx, digit III
- 44 Distal phalanx, digit IV



102. Left carpal bones of pig, dorsal view.

- 1 Radial carpal bone
- 2 Intermediate carpal bone
- 3 Ulnar carpal bone

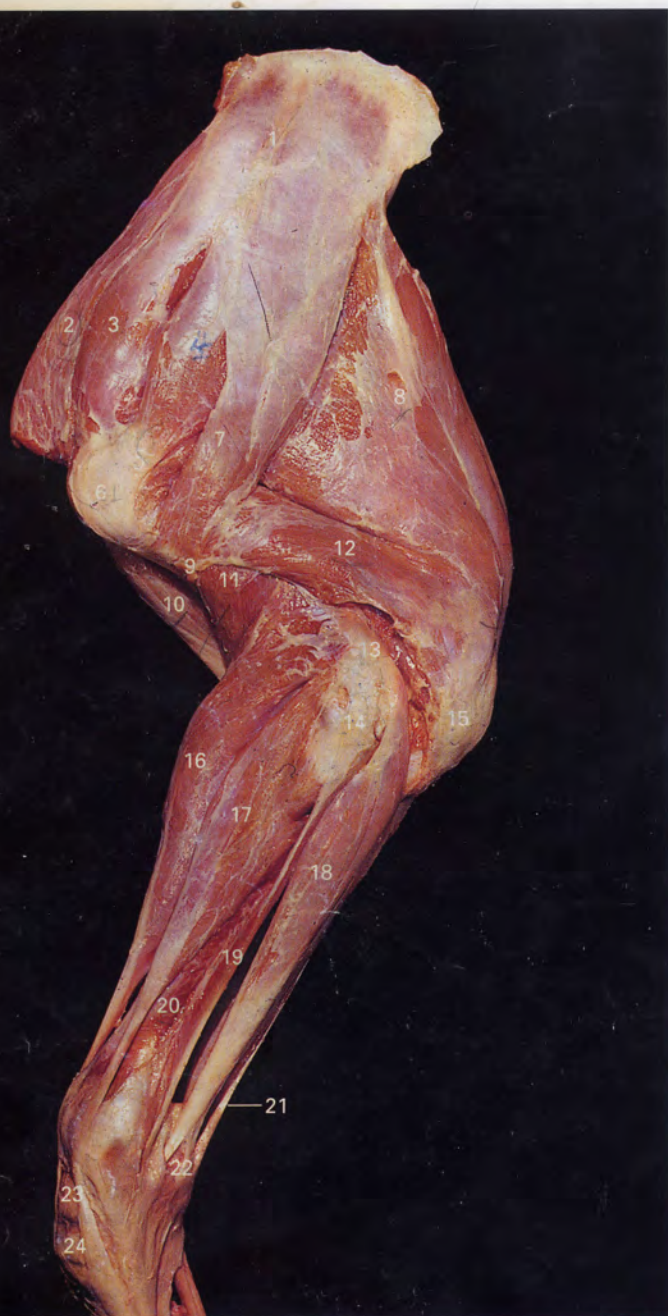
- 4 Accessory carpal bone
- 5 Second carpal bone
- 6 Third carpal bone
- 7 Fourth carpal bone



103. Left carpal bones of pig, palmar view.

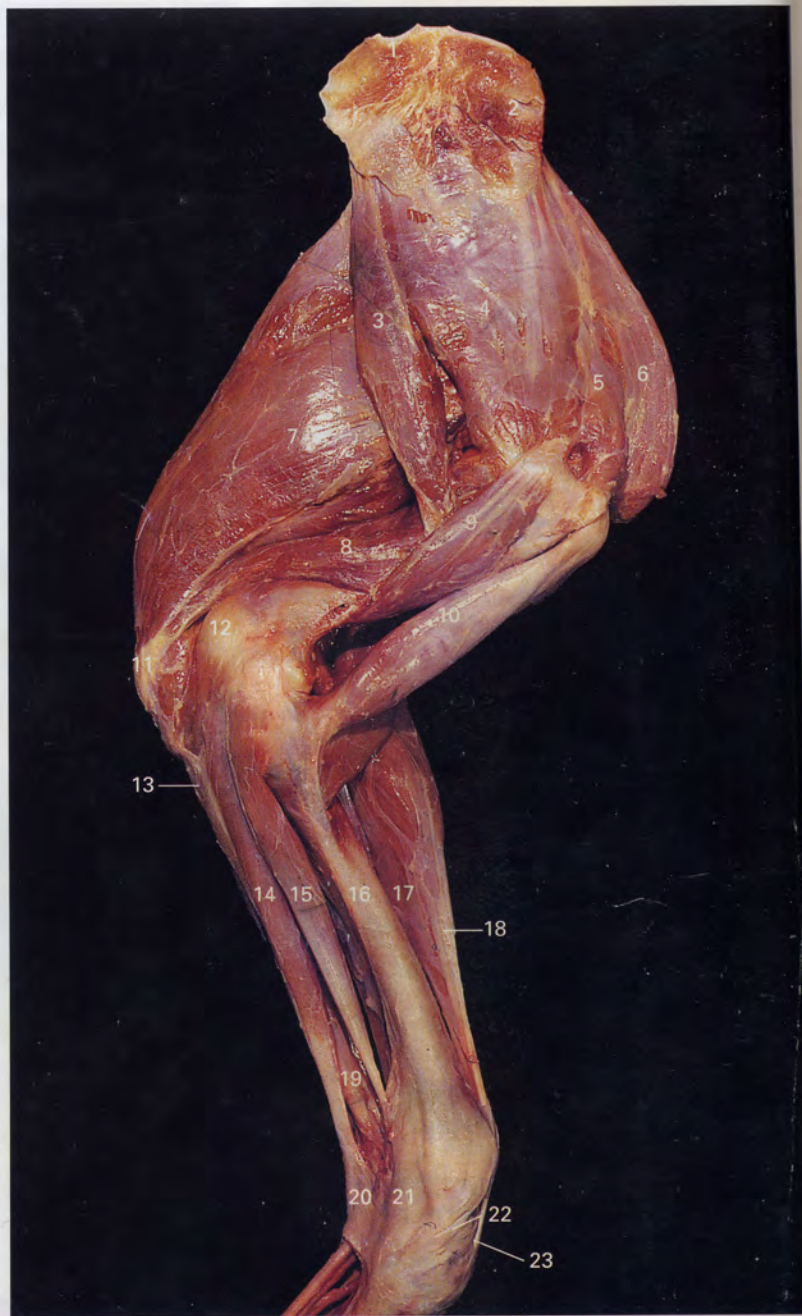
- 1 Accessory carpal bone
- 2 Intermediate carpal bone
- 3 Radial carpal bone

- 4 Fourth carpal bone
- 5 Third carpal bone
- 6 Second carpal bone
- 7 First carpal bone



104. Superficial dissection of musculature of left thoracic limb of horse, lateral view.

- | | |
|-------------------------------------|---|
| 1 Spine of scapula | 15 Olecranon tuberosity |
| 2 M. subclavius | 16 M. extensor carpi radialis |
| 3 M. supraspinatus | 17 M. extensor digitorum communis |
| 4 M. infraspinatus | 18 M. extensor carpi ulnaris (M. ulnaris lateralis) |
| 5 Tendon of M. infraspinatus | 19 M. extensor digitorum lateralis |
| 6 Greater tubercle of humerus | 20 M. abductor digiti I longus |
| 7 M. deltoideus | 21 M. flexor carpi ulnaris |
| 8 M. triceps brachii, long head | 22 Accessory carpal bone |
| 9 Deltoid tuberosity | 23 Intermediate carpal bone |
| 10 M. biceps brachii | 24 Third carpal bone |
| 11 M. brachialis | |
| 12 M. triceps brachii, lateral head | |
| 13 Lateral epicondyle of humerus | |
| 14 Olecranon | |



105. Dissection of musculature of left thoracic limb of horse, medial view. The M. tensor fascia antebrachii has been removed.

- | | |
|---------------------------------------|--|
| 1 Attachment of M. rhomboideus | 13 M. flexor digitorum profundus, ulnar head |
| 2 Attachment of M. serratus ventralis | 14 M. flexor carpi ulnaris |
| 3 M. teres major | 15 M. flexor carpi radialis |
| 4 M. subscapularis | 16 Radius |
| 5 M. supraspinatus | 17 M. extensor carpi radialis superficialis |
| 6 M. subclavius | 18 Lacertus fibrosus |
| 7 M. triceps brachii, long head | 19 M. flexor digitorum superficialis |
| 8 M. triceps brachii, medial head | 20 Carpal flexor retinaculum |
| 9 M. coracobrachialis | 21 Medial collateral carpal ligament |
| 10 M. biceps brachii | 22 Tendon of M. abductor digiti I longus |
| 11 Olecranon tuberosity | 23 Tendon of M. extensor carpi radialis |
| 12 Medial epicondyle of humerus | |



106. Superficial dissection of musculature of left thoracic limb of horse, cranial view. The pectoral muscles and M. subclavius have been removed.

- | | |
|---|-----------------------------------|
| 1 Scapular cartilage | 9 M. extensor carpi radialis |
| 2 M. supraspinatus | 10 M. flexor carpi radialis |
| 3 M. deltoideus | 11 M. extensor digitorum communis |
| 4 Greater tubercle of humerus | 12 Radius |
| 5 M. biceps brachii | 13 M. abductor digiti I longus |
| 6 Deltoid tuberosity | 14 Extensor retinaculum of carpus |
| 7 Tendinous intersection of M. biceps brachii | |
| 8 M. brachialis | |



107. Superficial dissection of musculature of left thoracic limb of horse, caudal view.

- | | |
|--|--|
| 1 M. triceps brachii, lateral head | 8 M. flexor digitorum profundus, ulnar head |
| 2 M. triceps brachii, long head | 9 M. flexor carpi ulnaris |
| 3 M. triceps brachii, medial head | 10 M. flexor carpi radialis |
| 4 M. tensor fascia antebrachii | 11 Tendon of M. extensor digitorum lateralis |
| 5 Olecranon tuberosity | 12 Accessory carpal bone |
| 6 M. flexor carpi radialis | 13 Medial collateral carpal ligament |
| 7 M. extensor carpi ulnaris (M. ulnaris lateralis) | 14 Carpal flexor retinaculum |



108. Deep dissection of left thoracic limb of horse, medial view. The M. flexor carpi radialis, M. flexor carpi ulnaris and M. flexor digitorum superficialis have been removed. The tendons of the M. flexor digitorum superficialis and M. flexor digitorum profundus have been retracted to expose the accessory ligaments.

- | | |
|--|--|
| 1 M. flexor digitorum profundus, ulnar head | 14 Cut edge of tendon of M. flexor carpi radialis |
| 2 Stump of M. flexor digitorum superficialis | 15 Tendon of M. flexor digitorum superficialis |
| 3 Stump of M. flexor carpi ulnaris | 16 Tendon of M. flexor digitorum profundus |
| 4 Stump of M. flexor carpi radialis | 17 Accessory ligament of M. flexor digitorum profundus (distal check ligament) |
| 5 M. biceps brachii | 18 M. interosseus medius (suspensory ligament) |
| 6 Lacertus fibrosus | 19 Metacarpal III (cannon bone) |
| 7 Tendon of M. flexor digitorum profundus, ulnar head | 20 Tendon of M. extensor digitorum communis |
| 8 M. flexor digitorum profundus, humeral head | 21 Superficial transverse metacarpal ligament (palmar annular ligament) |
| 9 Radius | 22 Medial extensor branch of M. interosseus medius to tendon of M. extensor digitorum communis |
| 10 M. extensor carpi radialis | |
| 11 Tendon of M. flexor digitorum superficialis | |
| 12 Accessory ligament of M. flexor digitorum superficialis (proximal check ligament) | |
| 13 Accessory carpal bone | |



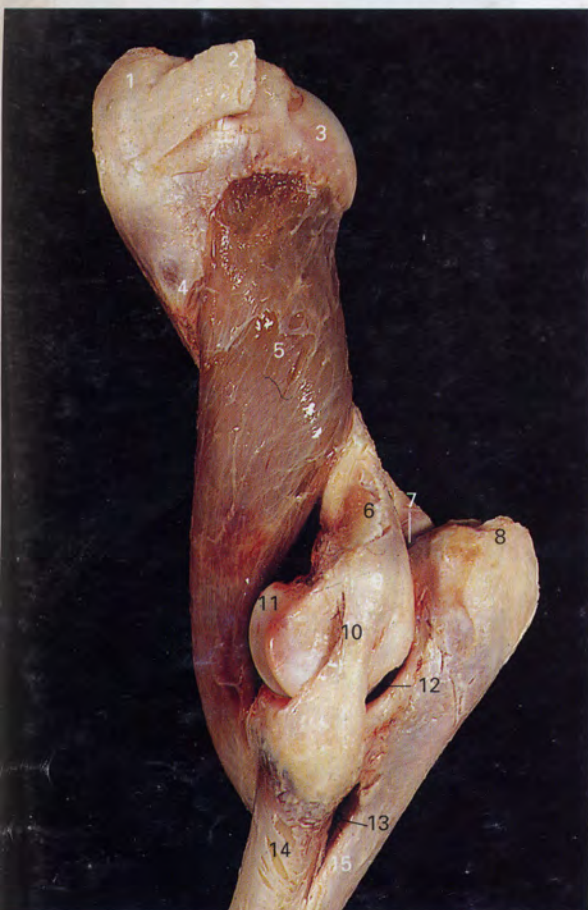
109. Transverse section through left antebrachium of horse, distal view.

- | | |
|---|--|
| 1 Ulna | 9 M. extensor carpi ulnaris (M. ulnaris lateralis) |
| 2 Radius | 10 M. extensor digitorum lateralis |
| 3 Median vessels and nerve | 11 M. extensor digitorum communis |
| 4 M. flexor carpi radialis | 12 M. extensor carpi radialis |
| 5 M. flexor carpi ulnaris | 13 Cephalic vein |
| 6 M. flexor digitorum superficialis | |
| 7 M. flexor digitorum profundus, humeral head | |
| 8 M. flexor digitorum profundus, ulnar head | |



110. Transverse section through left carpus of horse at level of proximal row of carpal bones, distal view.

- | | |
|---|--|
| 1 Tendon of M. extensor digitorum lateralis | 10 Medial palmar artery and nerve |
| 2 Ulnar carpal bone | 11 Tendon of M. flexor digitorum profundus |
| 3 Tendon of M. extensor digitorum communis | 12 Tendon of M. flexor digitorum superficialis |
| 4 Intermediate carpal bone | 13 Lateral palmar vessels and nerve |
| 5 Tendon of M. extensor carpi radialis | 14 Accessory carpal bone |
| 6 Radial carpal bone | 15 Tendon of M. extensor carpi ulnaris |
| 7 Tendon of M. abductor digiti I longus | |
| 8 Medial palmar vein | |
| 9 Tendon of M. flexor carpi radialis | |



111. Deep dissection of left cubital joint of horse, lateral view. *Devel*

- | | |
|------------------------------|--------------------------------|
| 1 Greater tubercle | 9 Lateral epicondyle |
| 2 Tendon of M. infraspinatus | 10 Lateral collateral ligament |
| 3 Head of humerus | 11 Trochlea |
| 4 Deltoid tuberosity | 12 Trochlear notch of ulna |
| 5 M. brachialis | 13 Interosseous space |
| 6 Lateral epicondylar crest | 14 Radius |
| 7 Olecranon fossa | 15 Ulna |
| 8 Olecranon tuberosity | |



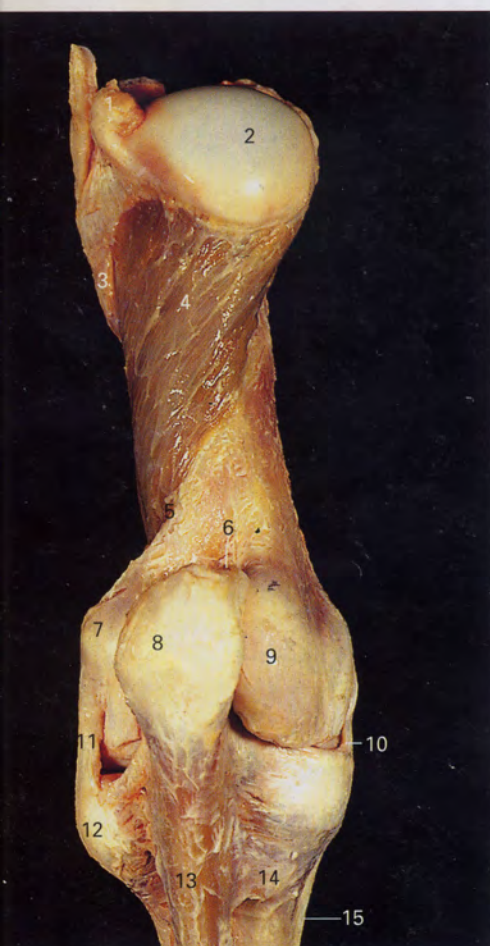
112. Deep dissection of left cubital joint of horse, medial view.

- | | |
|------------------------|--|
| 1 Head of humerus | 8 Short part of medial collateral ligament |
| 2 Lesser tubercle | 9 Long part of medial collateral ligament |
| 3 M. brachialis | 10 Ulna |
| 4 Olecranon tuberosity | 11 Interosseous space |
| 5 Medial epicondyle | 12 Radius |
| 6 Trochlea | |
| 7 Capitular fovea | |



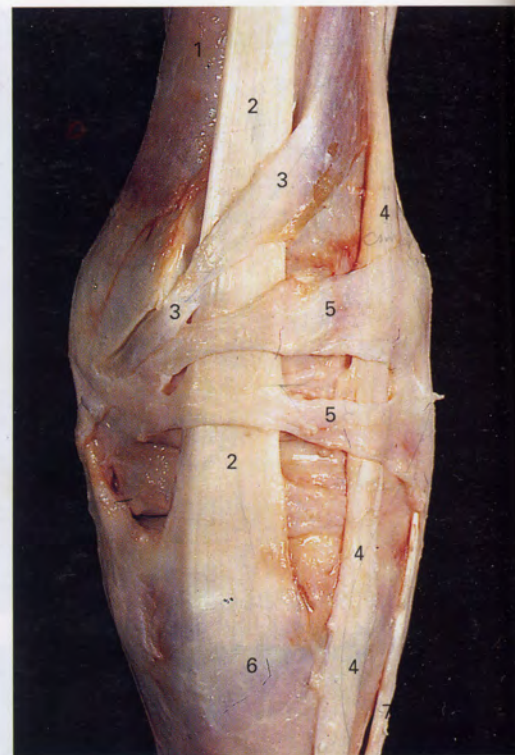
113. Deep dissection of left cubital joint of horse, cranial view.

- | | |
|-------------------------------|---|
| 1 Lesser tubercle | 9 Attachment site of M. extensor digitorum communis and M. extensor digitorum lateralis |
| 2 Intermediate tubercle | 10 Long part of medial collateral ligament |
| 3 Greater tubercle | |
| 4 Intertuberal groove | |
| 5 Deltoid tuberosity | |
| 6 M. brachialis | |
| 7 Trochlea | |
| 8 Lateral collateral ligament | |



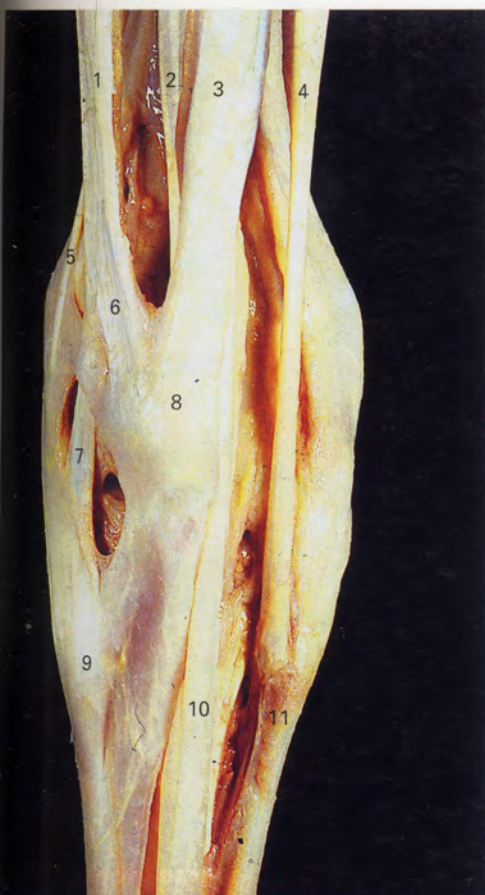
114. Deep dissection of left cubital joint of horse, caudal view.

- | | |
|---|--|
| 1 Greater tubercle | 11 Lateral collateral ligament |
| 2 Head of humerus | 12 Attachment site of M. extensor digitorum communis and M. extensor digitorum lateralis |
| 3 Deltoid tuberosity | 13 Ulna |
| 4 M. brachialis | 14 Radius |
| 5 Lateral epicondylar crest | 15 Long part of medial collateral ligament |
| 6 Olecranon fossa | |
| 7 Lateral epicondyle | |
| 8 Olecranon tuberosity | |
| 9 Medial epicondyle | |
| 10 Short part of medial collateral ligament | |



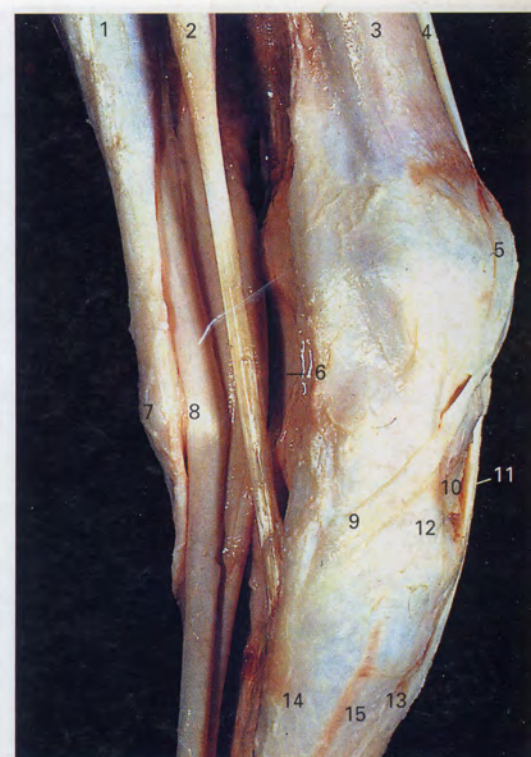
115. Superficial dissection of left carpus of horse, dorsal view.

- | | |
|--|---|
| 1 Radius | 5 Extensor retinaculum |
| 2 Tendon of M. extensor carpi radialis | 6 Metacarpal tuberosity |
| 3 Tendon of M. abductor digiti I longus | 7 Tendon of M. extensor digitorum lateralis |
| 4 Tendon of M. extensor digitorum communis | |

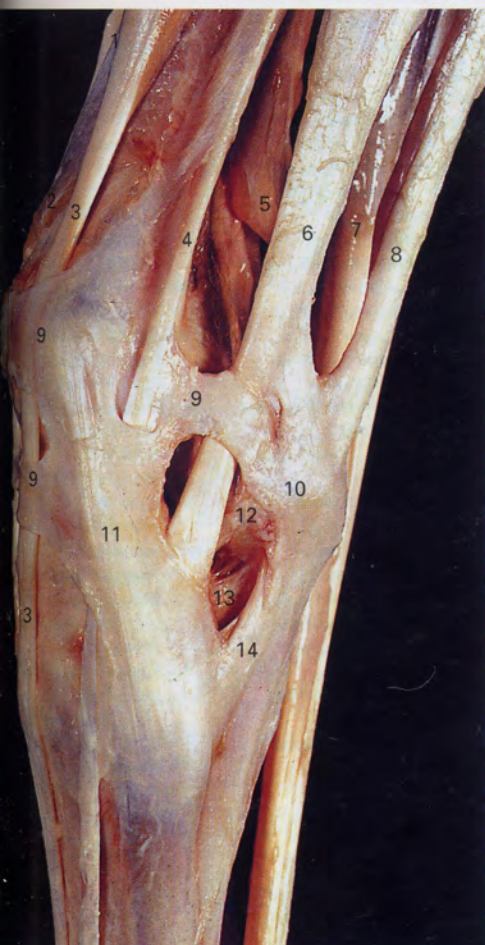


116. Superficial dissection of left carpus of horse, palmar view. Flexor retinaculum has been removed.

- | | |
|--|--|
| 1 Tendon of M. extensor carpi ulnaris (M. ulnaris lateralis) | 7 Tendon of M. extensor carpi ulnaris to metacarpal IV |
| 2 Tendon of M. flexor digitorum profundus | 8 Accessory carpal bone |
| 3 Tendon of M. flexor carpi ulnaris | 9 Metacarpal IV (lateral splint bone) |
| 4 Tendon of M. flexor carpi radialis | 10 Tendon of M. flexor digitorum superficialis |
| 5 Tendon of M. extensor digitorum lateralis | 11 Metacarpal II (medial splint bone) |
| 6 Tendon of M. extensor carpi ulnaris to accessory carpal bone | |



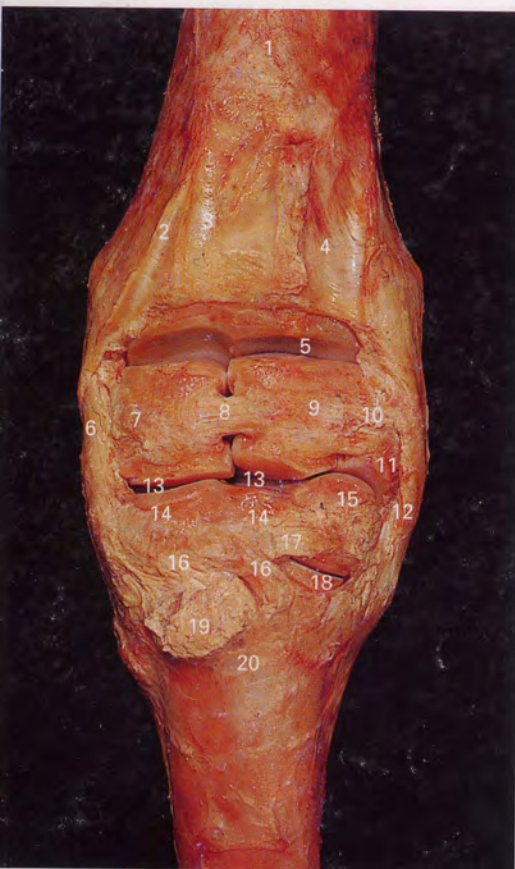
118. Superficial dissection of left carpus of horse, medial view. Flexor retinaculum has been removed to expose contents of the carpal canal.



117. Superficial dissection of left carpus of horse, lateral view.

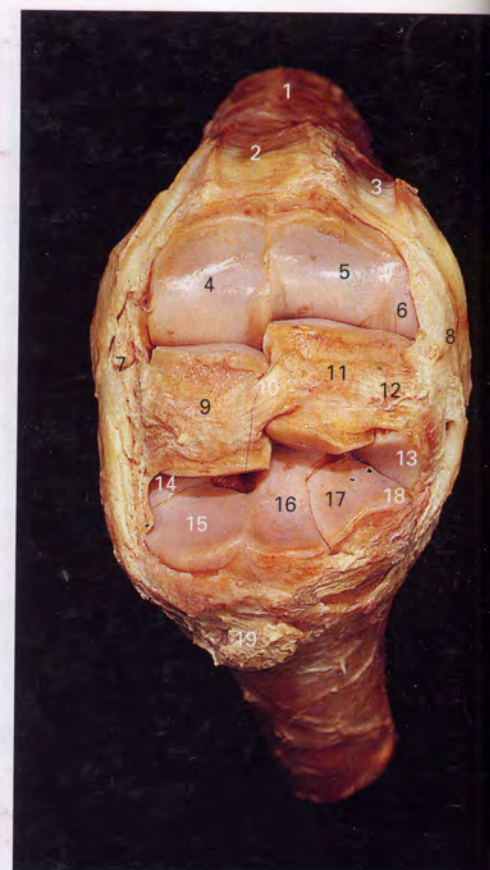
- | | |
|--|---------------------------------------|
| 1 Tendon of M. extensor carpi radialis | 8 Tendon of M. flexor carpi ulnaris |
| 2 M. abductor digiti I longus | 9 Extensor retinaculum |
| 3 Tendon of M. extensor digitorum communis | 10 Accessory carpal bone |
| 4 Tendon of M. extensor digitorum lateralis | 11 Lateral collateral carpal ligament |
| 5 M. flexor digitorum profundus, humeral head | 12 Accessoriocarpoulnar ligament |
| 6 Tendon of M. extensor carpi ulnaris (M. ulnaris lateralis) | 13 Accessorioquartal ligament |
| 7 M. flexor digitorum profundus, ulnar head | 14 Accessoriometacarpal ligament |

- | | |
|--|---|
| 1 M. flexor carpi ulnaris | 9 Tendon of M. abductor digiti I longus |
| 2 M. flexor carpi radialis | 10 Third carpal bone |
| 3 Radius | 11 Tendon of M. extensor carpi radialis |
| 4 M. extensor carpi radialis | 12 Medial collateral carpal ligament |
| 5 Extensor retinaculum of carpus | 13 Metacarpal tuberosity |
| 6 Cut edge of flexor retinaculum | 14 Metacarpal II (medial splint bone) |
| 7 Accessory carpal bone | 15 Metacarpal III (cannon bone) |
| 8 Tendon of M. flexor digitorum superficialis passing through carpal canal | |

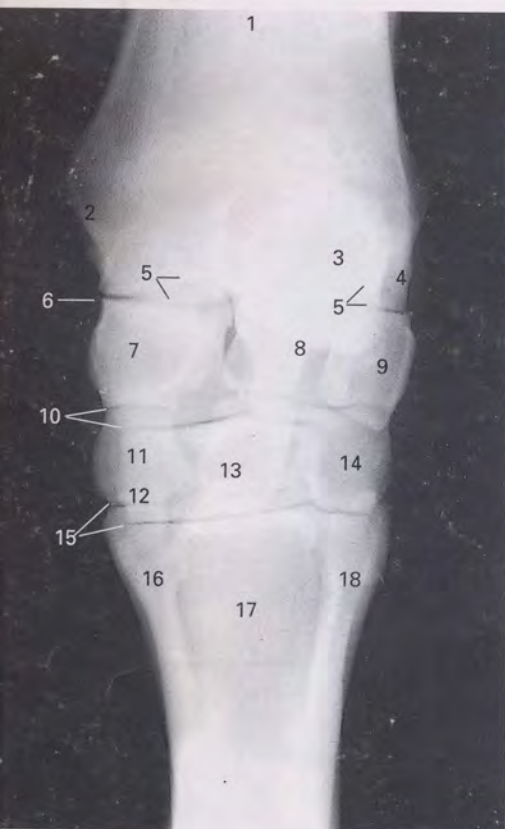


119. Deep dissection of left carpal joint of horse, dorsal view.

- | | |
|--|--|
| 1 Radius | 10 Dorsal intercarpal ligament between intermediate and ulnar carpal bones |
| 2 Groove for tendon of M. abductor digiti I longus | 11 Ulnar carpal bone |
| 3 Groove for tendon of M. extensor carpi radialis | 12 Lateral collateral carpal ligament |
| 4 Groove for tendon of M. extensor digitorum communis | 13 Intercarpal joint |
| 5 Antebrachicarpal joint | 14 Third carpal bone |
| 6 Medial collateral carpal ligament | 15 Fourth carpal bone |
| 7 Radial carpal bone | 16 Dorsal carpometacarpal ligament |
| 8 Dorsal intercarpal ligament between radial and intermediate carpal bones | 17 Dorsal intercarpal ligament between third and fourth carpal bones |
| 9 Intermediate carpal bone | 18 Carpometacarpal joint |
| | 19 Metacarpal tuberosity |
| | 20 Metacarpal III (cannon bone) |



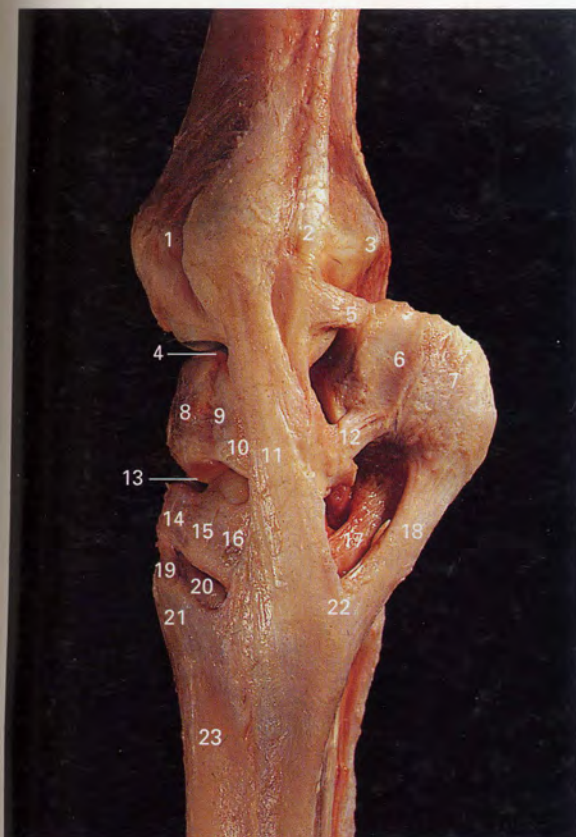
121. Deep dissection of left carpus of horse, flexed dorsal view.



120. Radiograph of left carpal joint of horse, dorsopalmar projection.

- | | |
|----------------------------|--|
| 1 Radius | 11 Second carpal bone |
| 2 Medial styloid process | 12 First carpal bone |
| 3 Accessory carpal bone | 13 Third carpal bone |
| 4 Lateral styloid process | 14 Fourth carpal bone |
| 5 Trochlea of radius | 15 Carpometacarpal joint |
| 6 Antebrachicarpal joint | 16 Metacarpal II (medial splint bone) |
| 7 Radial carpal bone | 17 Metacarpal III (cannon bone) |
| 8 Intermediate carpal bone | 18 Metacarpal IV (lateral splint bone) |
| 9 Ulnar carpal bone | |
| 10 Intercarpal joint | |

- | | |
|---|---|
| 1 Radius | 12 Dorsal intercarpal ligament between ulnar and intermediate carpal bones |
| 2 Groove for tendon of M. extensor carpi radialis | 13 Facet on ulnar carpal bone for articulation with fourth carpal bone |
| 3 Groove for tendon of M. extensor digitorum lateralis | 14 Facet on second carpal bone for articulation with radial carpal bone |
| 4 Facet on radius for articulation with radial carpal bone | 15 Facet on third carpal bone for articulation with radial carpal bone |
| 5 Facet on radius for articulation with intermediate carpal bone | 16 Facet on third carpal bone for articulation with intermediate carpal bone |
| 6 Facet on lateral styloid process for articulation with ulnar carpal bone | 17 Facet on fourth carpal bone for articulation with intermediate carpal bone |
| 7 Medial collateral carpal ligament | 18 Facet on fourth carpal bone for articulation with ulnar carpal bone |
| 8 Lateral collateral carpal ligament | 19 Metacarpal tuberosity |
| 9 Radial carpal bone | |
| 10 Dorsal intercarpal ligament between radial and intermediate carpal bones | |
| 11 Intermediate carpal bone | |



122. Deep dissection of left carpus of horse, lateral view.

- | | |
|---|--|
| 1 Groove for tendon of M. extensor digitorum communis | 13 Intercarpal joint |
| 2 Tendon of M. extensor digitorum lateralis | 14 Third carpal bone |
| 3 Transverse crest of radius | 15 Dorsal intercarpal ligament between third and fourth carpal bones |
| 4 Antebrachicarpal joint | 16 Fourth carpal bone |
| 5 Accessorioulnar ligament | 17 Accessorioquartal ligament |
| 6 Groove for tendon of M. ulnaris lateralis | 18 Accessoriometacarpal ligament |
| 7 Accessory carpal bone | 19 Dorsal carpometacarpal ligament |
| 8 Intermediate carpal bone | 20 Carpometacarpal joint |
| 9 Dorsal intercarpal ligament between intermediate and ulnar carpal bones | 21 Metacarpal tuberosity |
| 10 Ulnar carpal bone | 22 Base of metacarpal IV (lateral splint bone) |
| 11 Lateral collateral carpal ligament | 23 Metacarpal III (cannon bone) |
| 12 Accessoriocarpoulnar ligament | |



123. Deep dissection of left carpus of horse, medial view.

- | | |
|--|---------------------------------------|
| 1 Radius | 8 Intercarpal joint |
| 2 Medial styloid process | 9 Third carpal bone |
| 3 Medial collateral carpal ligament | 10 Carpometacarpal joint |
| 4 Groove for tendon of M. abductor digiti I longus | 11 Metacarpal tuberosity |
| 5 Antebrachicarpal joint | 12 Metacarpal II (medial splint bone) |
| 6 Accessory carpal bone | 13 Metacarpal III (cannon bone) |
| 7 Radial carpal bone | |



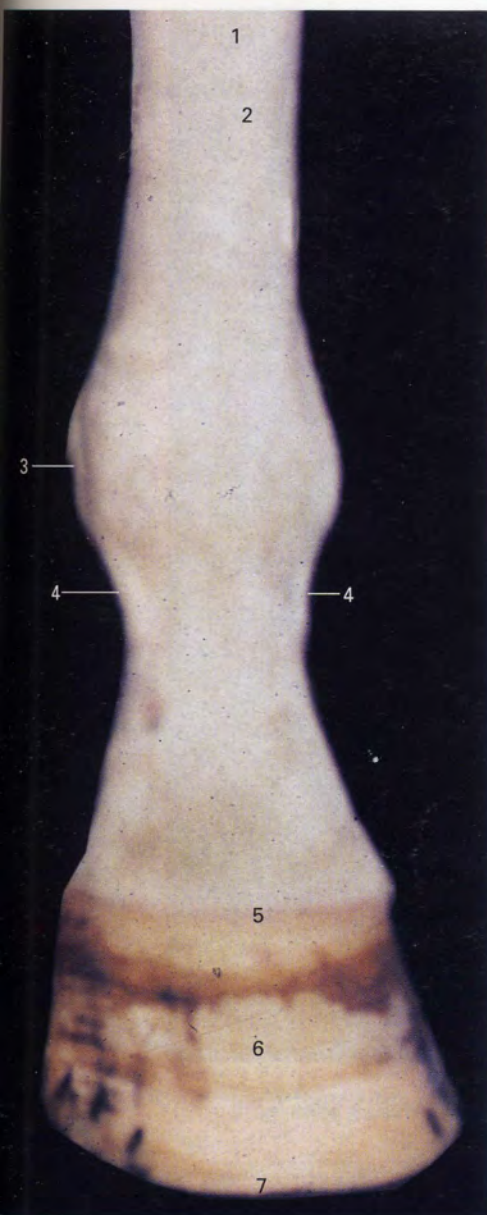
124. Radiograph of left carpal joint of horse, lateromedial projection.

- | | |
|---|--|
| 1 Groove for tendon of M. extensor carpi radialis | 8 Third carpal bone |
| 2 Lateral border of medial articular surface | 9 Second carpal bone |
| 3 Medial border of medial articular surface | 10 Fourth carpal bone |
| 4 Radial carpal bone | 11 First carpal bone |
| 5 Intermediate carpal bone | 12 Metacarpal III (cannon bone) |
| 6 Ulnar carpal bone | 13 Metacarpal II (medial splint bone) |
| 7 Accessory carpal bone | 14 Metacarpal IV (lateral splint bone) |



125. Radiograph of left carpal joint of horse, flexed lateromedial projection.

- | | |
|---|--|
| 1 Radius | 8 Ulnar carpal bone |
| 2 Edge of groove for tendon of M. extensor carpi radialis | 9 Intercarpal joint |
| 3 Edge of groove for tendon of M. extensor digitorum communis | 10 Second carpal bone |
| 4 Accessory carpal bone | 11 Fourth carpal bone |
| 5 Antebrachicarpal joint | 12 Third carpal bone |
| 6 Intermediate carpal bone | 13 Carpometacarpal joint |
| 7 Radial carpal bone | 14 Metacarpal IV (lateral splint bone) |
| | 15 Metacarpal II (medial splint bone) |
| | 16 Metacarpal III (cannon bone) |



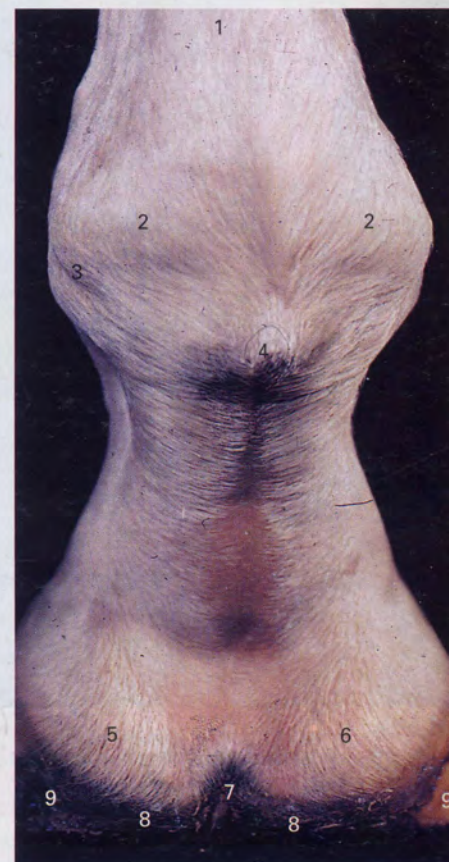
26. Left manus of horse, dorsal view.

- | | |
|--|--|
| 1 Metacarpal region | 4 Extensor branches of M. interosseus medius to tendon of M. extensor digitorum communis |
| 2 Tendon of M. extensor digitorum communis | |
| 3 Level of metacarpophalangeal (fetlock) joint | 5 Coronet |
| | 6 Wall of hoof |
| | 7 Toe |



127. Left manus of horse, lateral view.

- | | |
|--|--|
| 1 Metacarpal III (cannon bone) | 6 Lateral extensor branch of M. interosseus medius |
| 2 Metacarpal IV (lateral splint bone) | 7 Ergot |
| 3 M. interosseus medius (suspensory ligament) | 8 Lateral cartilage of distal phalanx |
| 4 Tendons of M. flexor digitorum superficialis and M. flexor digitorum profundus | 9 Coronet |
| 5 Level of metacarpophalangeal (fetlock) joint | 10 Wall of hoof |
| | 11 Toe |
| | 12 Quarter |
| | 13 Heel |



128. Left manus of horse, palmar view.

- | | |
|--|---------------------------------------|
| 1 Metacarpal region | 5 Lateral cartilage of distal phalanx |
| 2 Proximal sesamoid bones | 6 Medial cartilage of distal phalanx |
| 3 Level of metacarpophalangeal (fetlock) joint | 7 Cleft of frog |
| 4 Ergot | 8 Bulbs of heel |
| | 9 Hoof wall |



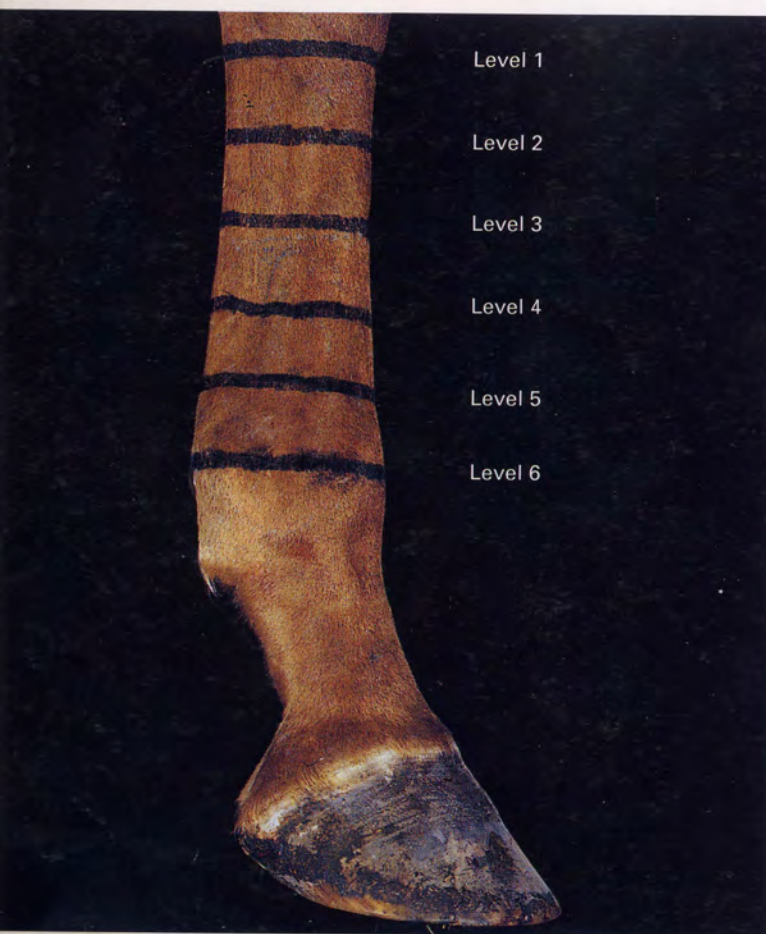
129. Superficial dissection of left manus of horse, dorsal view.

- | | |
|--|--|
| 1 Metacarpal III (cannon bone) | 5 Lateral extensor branch of M. interosseus medius |
| 2 Tendon of M. extensor digitorum communis | 6 Medial extensor branch of M. interosseus medius |
| 3 Tendon of M. extensor digitorum lateralis | 7 Coronet |
| 4 Distal attachment of tendon of M. extensor digitorum lateralis | 8 Wall of hoof |
| | 9 Toe |
| | 10 Quarters |



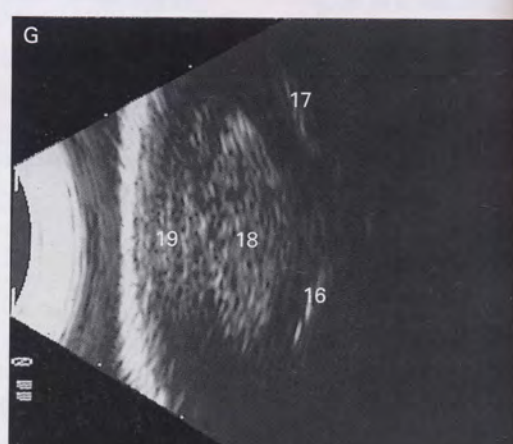
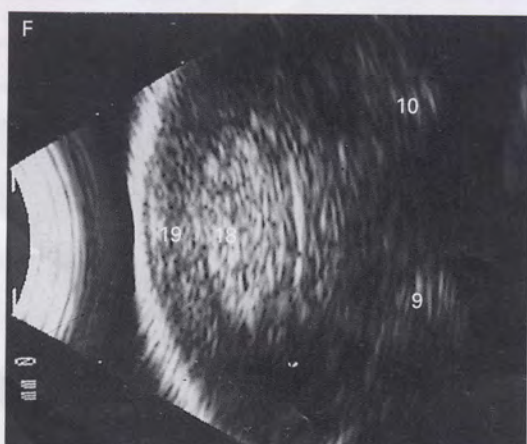
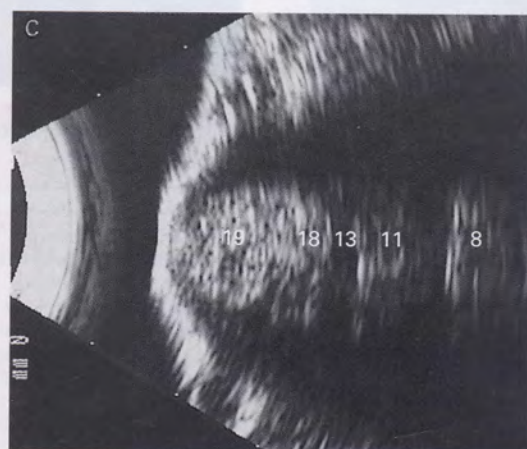
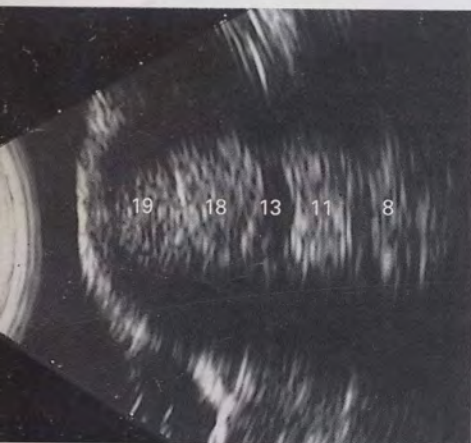
130. Superficial dissection of left manus of horse, palmar view.

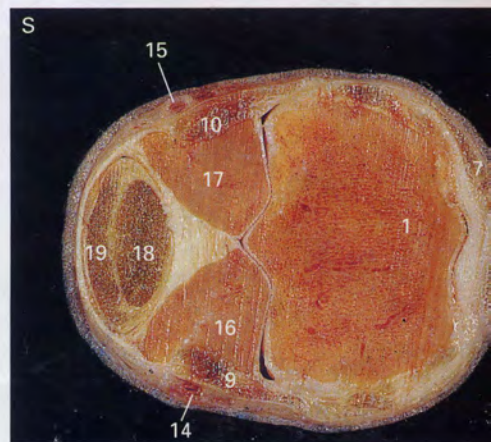
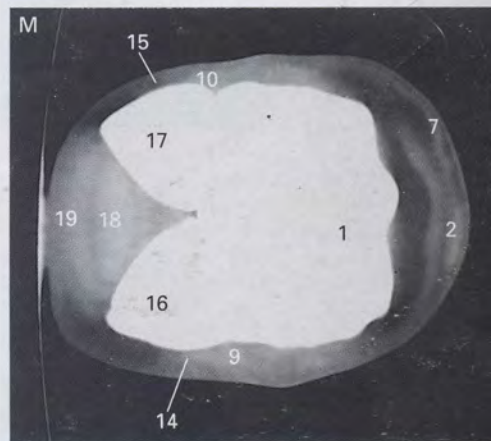
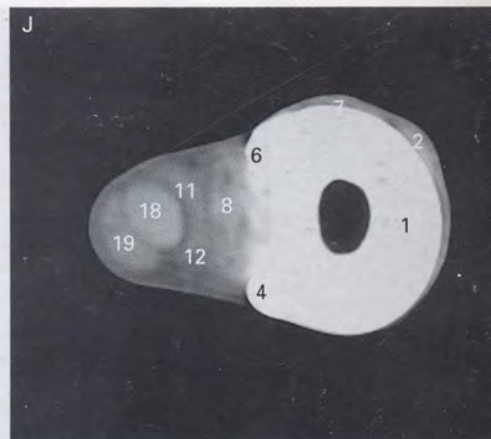
- | | |
|--|---|
| 1 Tendon of M. flexor digitorum superficialis | 7 Tendon of M. flexor digitorum profundus |
| 2 Metacarpal III (cannon bone) | 8 Lateral cartilage of distal phalanx |
| 3 M. interosseus medius (suspensory ligament) | 9 Medial cartilage of distal phalanx |
| 4 Superficial transverse metacarpal ligament (palmar annular ligament) | 10 Coronet |
| 5 Vagina fibrosa (proximal digital annular ligament) | 11 Cleft of frog |
| 6 Manica flexoria | 12 Bulbs of heel |
| | 13 Wall of hoof |
| | 14 Sole of hoof |

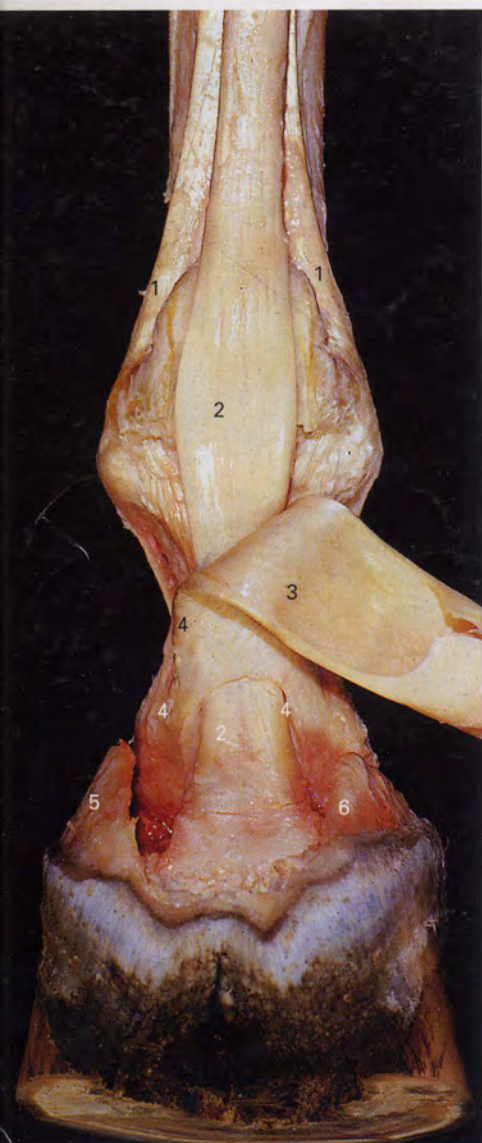


133. Medial view of left manus of horse (A) showing six levels at which images were made using a 7.5 MHz ultrasound sector scanner with standoff pad (pictures B–G), and computerized tomography (pictures H–M). The leg was then sectioned at the six levels (pictures N–S).

- | | |
|--|--|
| 1 Metacarpal III (cannon bone) | 10 Lateral extensor branch of M. interosseus medius |
| 2 Tendon of M. extensor digitorum communis | 11 Accessory ligament of M. flexor digitorum profundus (distal check ligament) |
| 3 Interosseus metacarpal ligament between metacarpals II and III | 12 Medial palmar artery |
| 4 Metacarpal II (medial splint bone) | 13 Carpal sheath |
| 5 Interosseus metacarpal ligament between metacarpals III and IV | 14 Medial palmar digital artery |
| 6 Metacarpal IV (lateral splint bone) | 15 Lateral palmar digital artery |
| 7 Tendon of M. extensor digitorum lateralis | 16 Medial proximal sesamoid bone |
| 8 M. interosseus medius (suspensory ligament) | 17 Lateral proximal sesamoid bone |
| 9 Medial extensor branch of M. interosseus medius | 18 Tendon of M. flexor digitorum profundus |
| | 19 Tendon of M. flexor digitorum superficialis |



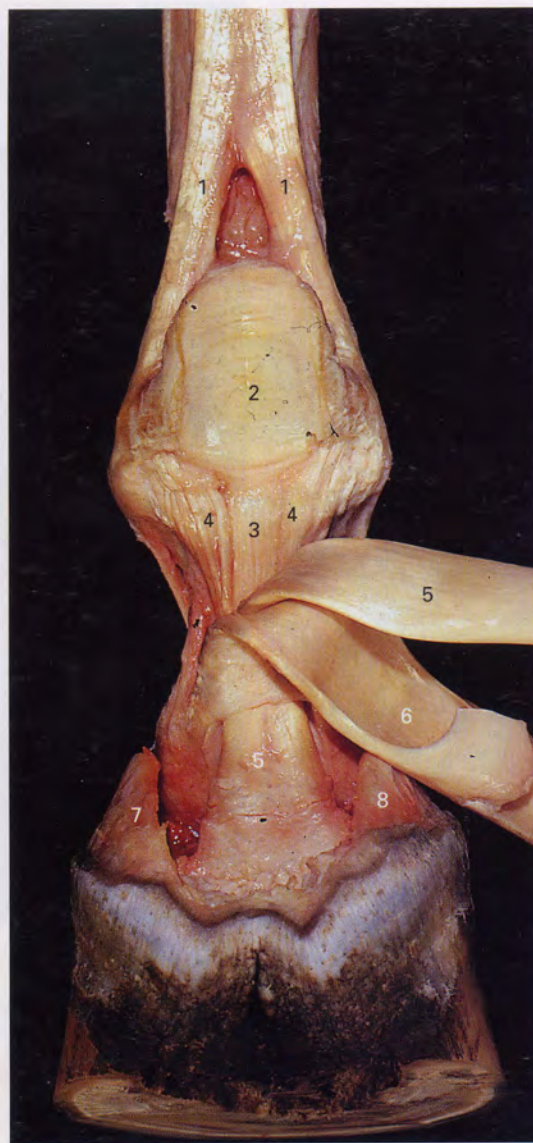




134. Deep dissection of left thoracic digit of horse, palmar view. The superficial transverse metacarpal ligament and the vagina fibrosa have been removed. The tendon of the M. flexor digitorum superficialis has been reflected.

Extensor branches of M. interosseus medius
Tendon of M. flexor digitorum profundus
Tendon of M. flexor digitorum superficialis (reflected)

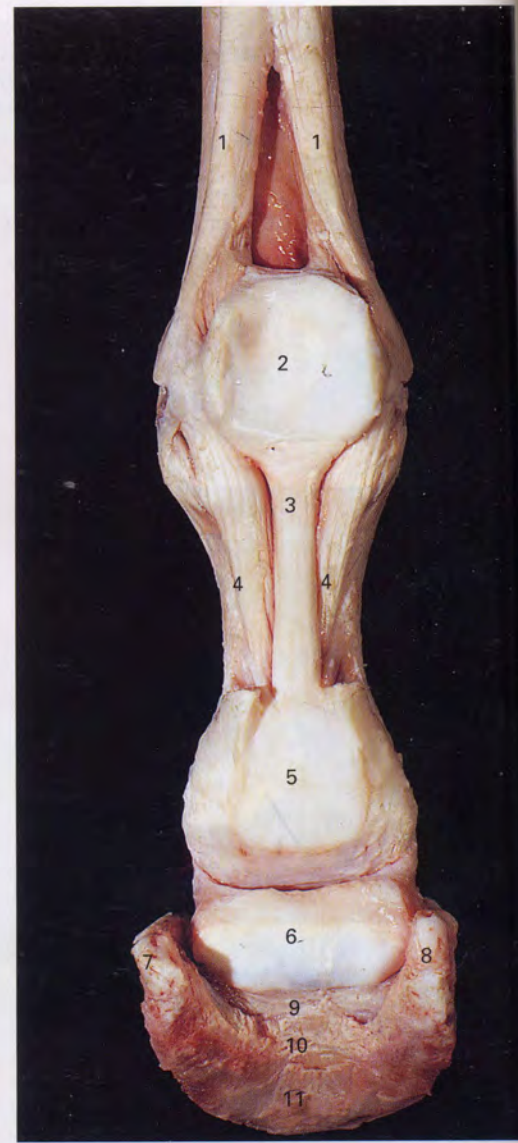
4 Manica flexoria
5 Lateral cartilage of distal phalanx
6 Medial cartilage of distal phalanx



135. Deep dissection of left thoracic digit of horse, palmar view. The superficial transverse metacarpal ligament and the vagina fibrosa have been removed. The tendons of the M. flexor digitorum superficialis and M. flexor digitorum profundus have been reflected.

1 Extensor branches of M. interosseus medius
2 Palmar (intersesamoidean) ligament
3 Straight sesamoidean ligament
4 Oblique sesamoidean ligament

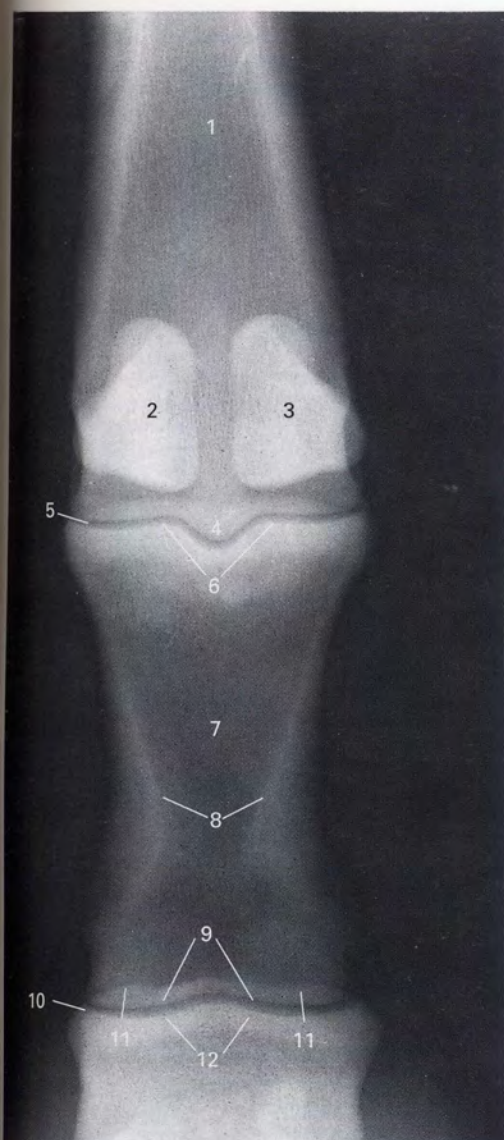
5 Tendon of M. flexor digitorum profundus
6 Tendon of M. flexor digitorum superficialis
7 Lateral cartilage of distal phalanx
8 Medial cartilage of distal phalanx



136. Deep dissection of left thoracic digit of horse, palmar view. The superficial transverse metacarpal ligament, vagina fibrosa, tendon of the M. flexor digitorum superficialis, and tendon of the M. flexor digitorum profundus have been removed. The wall, sole and frog of the hoof have been removed.

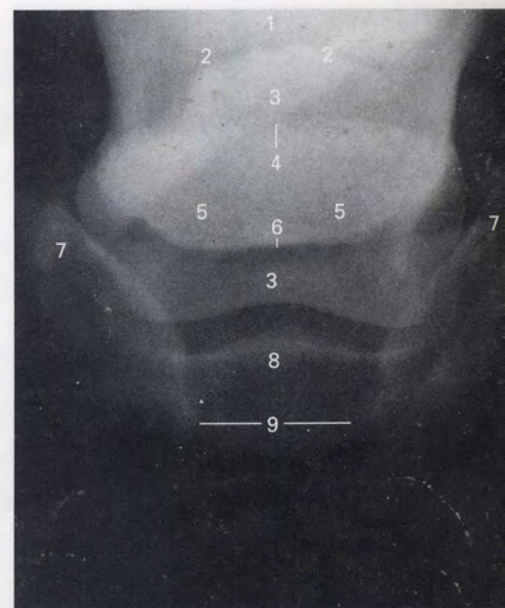
1 Extensor branches of M. interosseus medius
2 Palmar (intersesamoidean) ligament
3 Straight sesamoidean ligament
4 Oblique sesamoidean ligament
5 Fibrocartilaginous plate

6 Flexor surface of distal sesamoid bone
7 Lateral cartilage of distal phalanx
8 Medial cartilage of distal phalanx
9 Flexor surface of distal phalanx
10 Semilunar line
11 Solar surface of distal phalanx



137. Radiograph of left metacarpophalangeal and proximal interphalangeal joints of horse, dorsopalmar projection.

- | | |
|--|---|
| 1 Metacarpal III (cannon bone) | 8 Ridges on palmar surface of proximal phalanx |
| 2 Medial proximal sesamoid bone | 9 Trochlea of proximal phalanx |
| 3 Lateral proximal sesamoid bone | 10 Proximal interphalangeal (pastern) joint |
| 4 Sagittal ridge on trochlea of metacarpal III | 11 Dorsal border of articular fovea of middle phalanx |
| 5 Metacarpophalangeal joint (fetlock joint) | 12 Palmar border of articular fovea of middle phalanx |
| 6 Articular fovea of proximal phalanx | |
| 7 Proximal phalanx | |



139. Radiograph of distal manus of horse, dorsopalmar projection at 70° to the horizontal in the standing position.

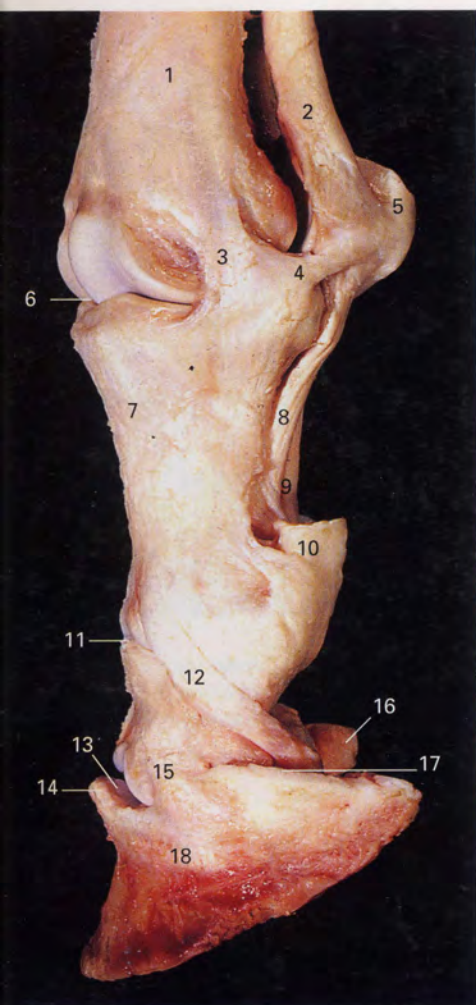
- | | |
|--|---|
| 1 Proximal phalanx | 6 Distal border of distal sesamoid bone |
| 2 Proximal interphalangeal (pastern) joint | 7 Palmar process of distal phalanx |
| 3 Middle phalanx | 8 Extensor process of distal phalanx |
| 4 Proximal border of distal sesamoid bone | 9 Solar canal |
| 5 Distal sesamoid (navicular) bone | |



138. Radiograph of distal left digit of horse, dorsopalmar projection at 45° to the horizontal in the standing position.

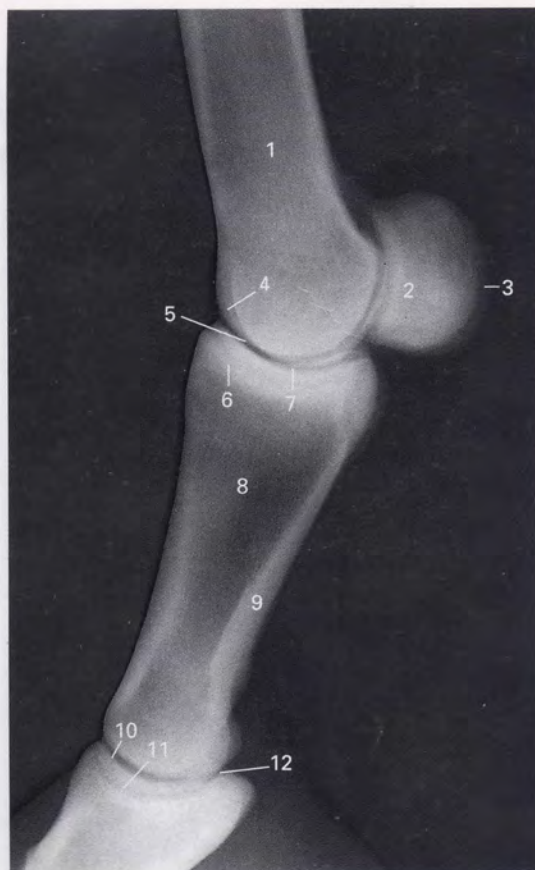
- | | |
|--|--------------------------|
| 1 Proximal phalanx | 7 Medial palmar process |
| 2 Proximal interphalangeal (pastern) joint | 8 Lateral palmar process |
| 3 Middle phalanx | 9 Medial solar foramen |
| 4 Extensor process of distal phalanx | 10 Lateral solar foramen |
| 5 Distal sesamoid (navicular) bone | |
| 6 Distal interphalangeal (coffin) joint | |





140. Deep dissection of left thoracic digit of horse, lateral view. The following structures have been removed: transverse metacarpal ligament; vagina fibrosa; tendons of the M. extensor digitorum communis, M. extensor digitorum lateralis, M. flexor digitorum superficialis and M. flexor digitorum profundus; lateral extensor branch of M. interosseus medius; wall, sole and frog of the hoof.

- | | |
|---|--|
| Metacarpal III (cannon bone) | 11 Proximal interphalangeal (pastern) joint |
| M. interosseus medius (suspensory ligament) | 12 Lateral collateral ligament of distal sesamoid bone (suspensory navicular ligament) |
| Lateral collateral metacarpophalangeal ligament | 13 Distal interphalangeal (coffin) joint |
| Lateral collateral sesamoidean ligament | 14 Extensor process of distal phalanx |
| Lateral proximal sesamoid bone | 15 Lateral collateral ligament of distal interphalangeal joint |
| Metacarpophalangeal (fetlock) joint | 16 Medial process of distal phalanx |
| Proximal phalanx | 17 Cut edge of lateral cartilage of distal phalanx |
| Oblique sesamoidean ligament | 18 Distal phalanx (coffin bone) |
| Straight sesamoidean ligament | |
| Cut edge of tendon of M. flexor digitorum superficialis | |



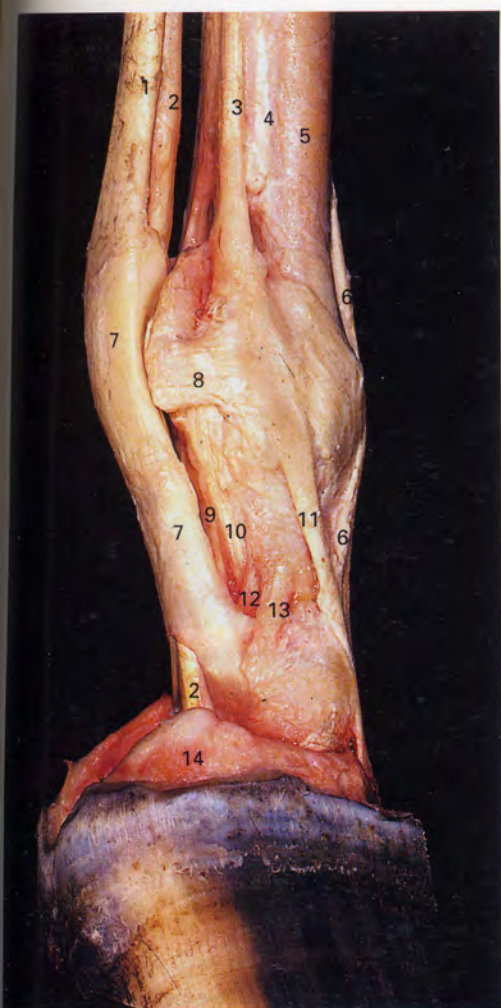
141. Radiograph of left metacarpophalangeal and proximal interphalangeal joints of horse, lateral oblique projection.

- | | |
|--|--|
| 1 Metacarpal III (cannon bone) | 7 Lateral border of articular fovea |
| 2 Medial proximal sesamoid bone | 8 Proximal phalanx |
| 3 Lateral proximal sesamoid bone | 9 Ridges on palmar surface of proximal phalanx |
| 4 Sagittal ridge on trochlea of metacarpal III | 10 Medial part of trochlea |
| 5 Metacarpophalangeal (fetlock) joint | 11 Lateral part of trochlea |
| 6 Medial border of articular fovea | 12 Proximal interphalangeal (pastern) joint |



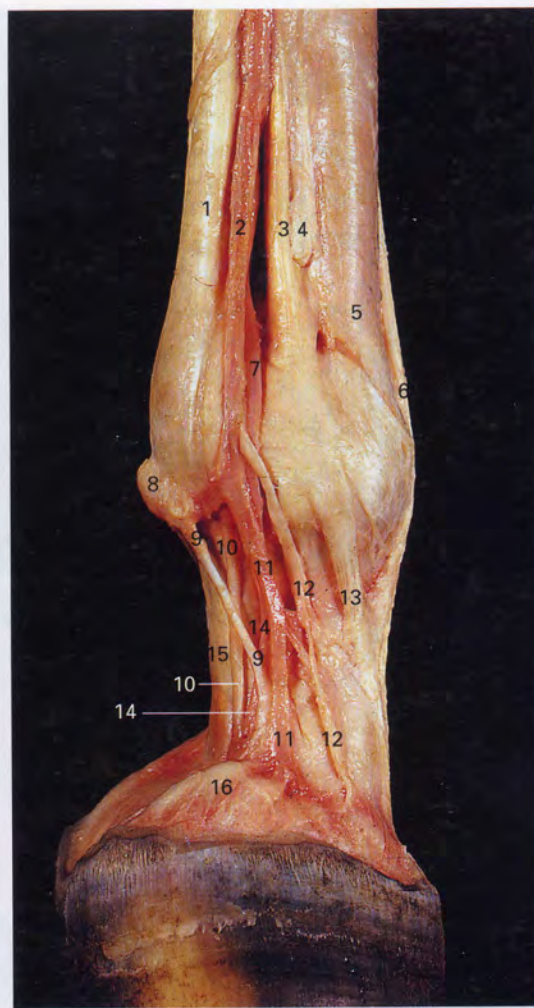
142. Radiograph of distal left digit of horse, lateromedial projection.

- | | |
|--|---|
| 1 Proximal phalanx | 5 Distal interphalangeal (coffin) joint |
| 2 Proximal interphalangeal (pastern) joint | 6 Distal sesamoid (navicular) bone |
| 3 Middle phalanx | 7 Distal phalanx (coffin bone) |
| 4 Extensor process of distal phalanx | 8 Palmar process of distal phalanx |



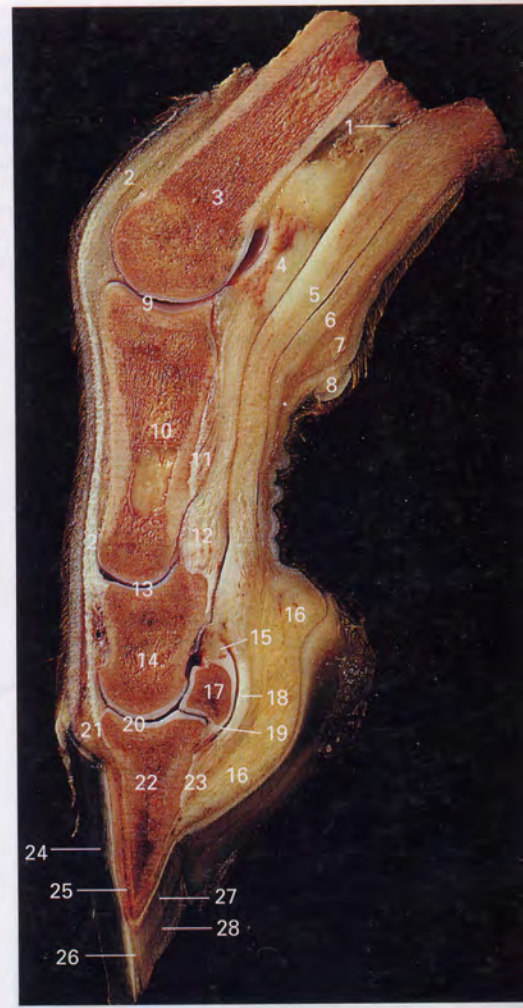
143. Deep dissection of left thoracic digit of horse, medial view. The superficial transverse metacarpal ligament and the vagina fibrosa have been removed.

- | | |
|---|---|
| 1 Tendon of M. flexor digitorum superficialis | 9 Straight sesamoidean ligament |
| 2 Tendon of M. flexor digitorum profundus | 10 Oblique sesamoidean ligament |
| 3 M. interosseus medius (suspensory ligament) | 11 Medial extensor branch of M. interosseus medius |
| 4 Metacarpal II (medial splint bone) | 12 Palmar ligament of proximal interphalangeal joint |
| 5 Metacarpal III (cannon bone) | 13 Medial collateral ligament of proximal interphalangeal joint |
| 6 Tendon of M. extensor digitorum communis | 14 Medial cartilage of distal phalanx |
| 7 Manica flexoria | |
| 8 Medial collateral sesamoidean ligament | |



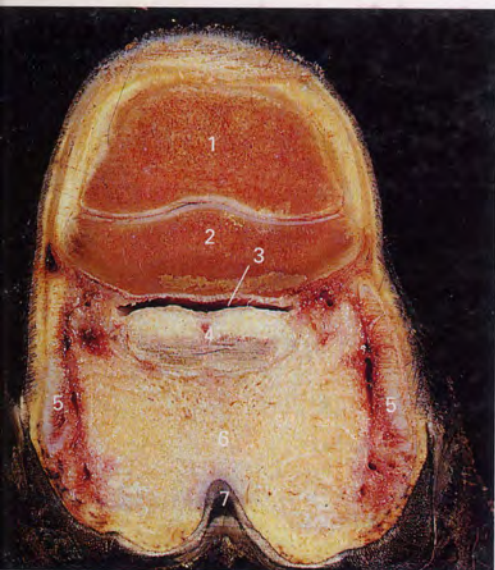
144. Dissection of nerves and vessels of distal left manus of horse, medial view.

- | | |
|--|--|
| 1 Tendon of M. flexor digitorum superficialis | 11 Medial palmar digital vein |
| 2 Medial palmar vein | 12 Dorsal branch of medial palmar digital nerve |
| 3 M. interosseus medius (suspensory ligament) | 13 Medial extensor branch of M. interosseus medius |
| 4 Distal end of metacarpal II (button of medial splint bone) | 14 Medial palmar digital artery |
| 5 Metacarpal III (cannon bone) | 15 Tendon of M. flexor digitorum profundus |
| 6 Tendon of M. extensor digitorum communis | 16 Medial cartilage of distal phalanx |
| 7 Medial palmar artery | |
| 8 Ergot | |
| 9 Ligament of ergot | |
| 10 Medial palmar digital nerve | |



145. Median section through left thoracic digit of horse.

- | | |
|---|---|
| 1 Proximal extent of digital synovial sheath | 16 Digital cushion |
| 2 Tendon of M. extensor digitorum communis | 17 Distal sesamoid (navicular) bone |
| 3 Metacarpal III (cannon bone) | 18 Podotrochlear (navicular) bursa |
| 4 Palmar ligament | 19 Distal sesamoid impar ligament |
| 5 Tendon of M. flexor digitorum profundus | 20 Distal interphalangeal (coffin) joint |
| 6 Tendon of M. flexor digitorum superficialis | 21 Coronary corium |
| 7 Fibrous tissue underlying ergot | 22 Distal phalanx (coffin bone) |
| 8 Ergot | 23 Insertion of tendon of M. flexor digitorum profundus |
| 9 Metacarpophalangeal (fetlock) joint | 24 Wall of hoof |
| 10 Proximal phalanx | 25 Lamellae |
| 11 Oblique sesamoidean ligament | 26 White zone |
| 12 Straight sesamoidean ligament | 27 Sole corium |
| 13 Proximal interphalangeal (pastern) joint | 28 Sole of hoof |
| 14 Middle phalanx | |
| 15 Collateral sesamoidean (suspensory navicular) ligament | |



146. Frontal section of left hoof of horse, palmar view. Section is cut through the heels.

- | | |
|---|--|
| 1 Middle phalanx | 5 Cartilages of distal phalanx with associated vascular plexus |
| 2 Distal sesamoid (navicular) bone | 6 Digital cushion |
| 3 Podotrochlear (navicular) bursa | 7 Cleft of frog |
| 4 Tendon of M. flexor digitorum profundus | |



147. Corium of foot of horse, lateral view. The wall and epidermal lamellae have been removed.

- | | |
|----------------------|-------------------------------------|
| 1 Corium of periople | 3 Lamellar corium (dermal lamellae) |
| 2 Coronary corium | |



148. Left hoof of horse, solar view.

- | | |
|---------------------------|-------------------------------|
| Bulbs of heel | 10 Medial bar of hoof wall |
| Coronet | 11 Medial angle of sole |
| Lateral paracuneal sulcus | 12 Apex of frog |
| Lateral crus of frog | 13 Lateral crus of sole |
| Central sulcus of frog | 14 Medial crus of sole |
| Medial crus of frog | 15 Central part of sole |
| Medial paracuneal sulcus | 16 White zone |
| Lateral angle of sole | 17 Hoof wall (stratum medium) |
| Lateral bar of hoof wall | |



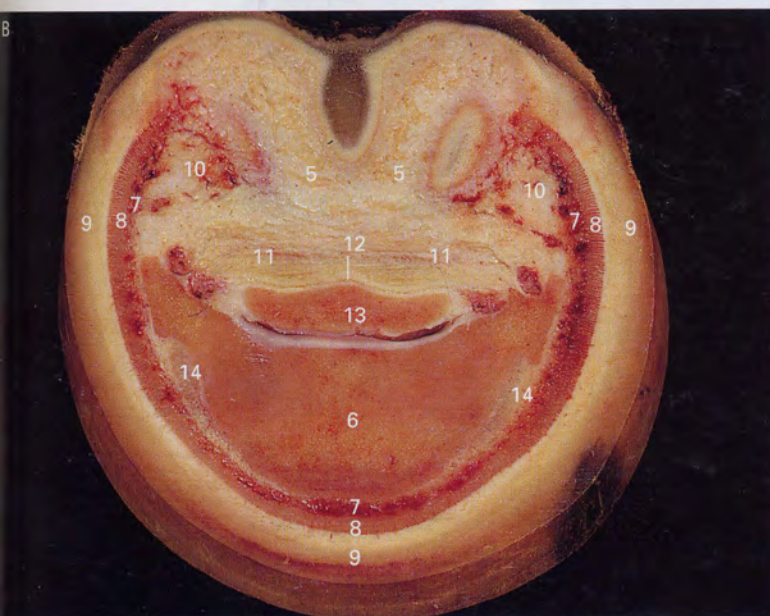
149. Foot of horse, solar view. The epidermal tissues have been reflected upwards. The wall and epidermal lamellae have been removed.

- | | |
|------------------------------------|-------------------|
| 1 Dorsal surface of sole | 6 Lamellar corium |
| 2 Central furrow over apex of frog | 7 Corium of frog |
| 3 Spine of frog (frog stay) | 8 Corium of sole |
| 4 Junction of frog and bar | |
| 5 Lamellae of bar | |



150. Transverse section through foot of horse, distal view. Sections are cut parallel to the coronary border: A, three fourths of the distance from the coronet to the distal border of the hoof wall; B, midway between the coronet and distal border of the hoof wall; C, just distal to the coronet.

- | | |
|---|--|
| 1 Angle | 11 Tendon of M. flexor digitorum profundus |
| 2 Bar | 12 Podotrochlear (navicular) bursa |
| 3 Paracuneal sulcus | 13 Distal sesamoid (navicular) bone |
| 4 Frog | 14 Collateral ligament of distal interphalangeal joint |
| 5 Digital cushion | 15 Middle phalanx |
| 6 Distal phalanx | 16 Coronary corium |
| 7 Lamellar corium (dermal lamellae) | 17 Extensor process of distal phalanx |
| 8 Lamellae of wall (epidermal lamellae) | 18 Tendon of M. extensor digitorum communis |
| 9 Wall | |
| 10 Cartilage of distal phalanx and associated vascular plexus | |





151. Left manus of ox, dorsal view.

- 1 Metacarpal region
- 2 Level of metacarpophalangeal joint
- 3 Interdigital cleft
- 4 Coronet, digit III
- 5 Abaxial hoof wall, digit III
- 6 Axial hoof wall, digit III
- 7 Toe of hoof, digit III
- 8 Digit IV



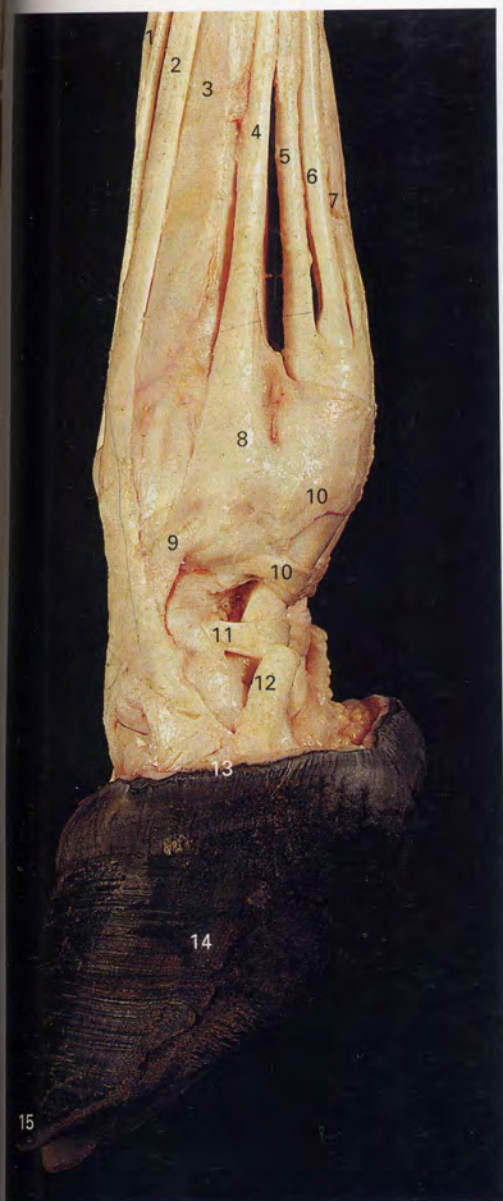
152. Left manus of ox, lateral view.

- 1 Metacarpal region
- 2 Level of metacarpophalangeal joint
- 3 Abaxial hoof wall, digit V
- 4 Coronet, digit IV
- 5 Bulb of heel, digit IV
- 6 Abaxial hoof wall, digit IV
- 7 Toe of hoof, digit IV



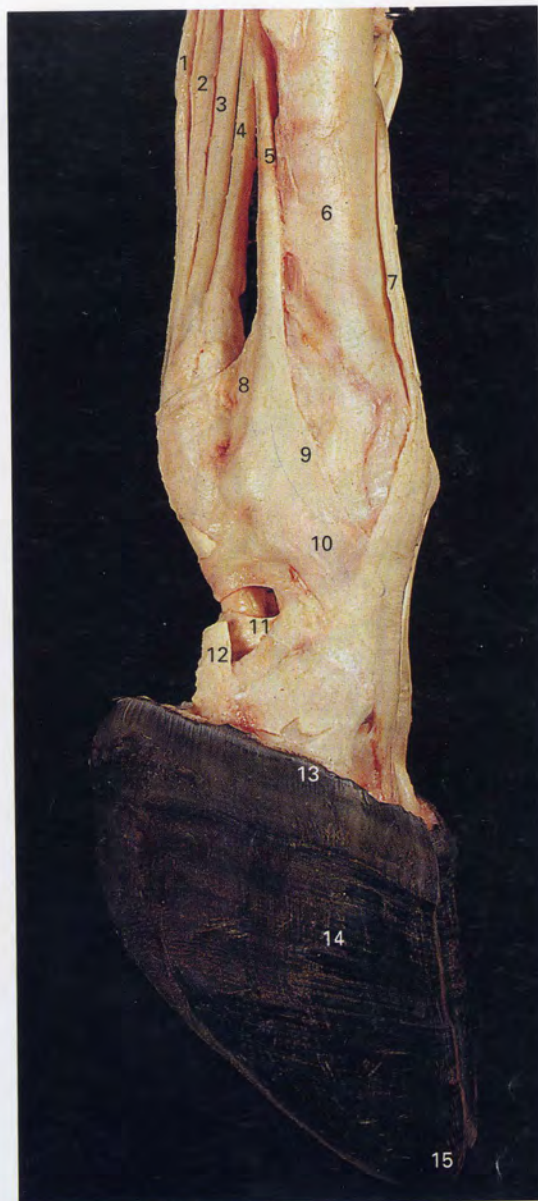
153. Left digits of ox, solar view.

- | | |
|------------------------------|-------------------------------|
| 1 Abaxial hoof wall, digit V | 9 Abaxial hoof wall, digit IV |
| 2 Axial hoof wall, digit V | 10 White zone, digit IV |
| 3 Sole, digit V | 11 Axial hoof wall, digit IV |
| 4 Digit II | 12 Toe of hoof, digit IV |
| 5 Interdigital cleft | 13 Digit III |
| 6 Coronet, digit IV | |
| 7 Bulb of heel, digit IV | |
| 8 Sole of hoof, digit IV | |



154. Superficial dissection of distal left manus of ox, lateral view. The accessory digits have been removed.

- | | |
|---|---|
| 1 Tendon of M. extensor digitorum communis to digits III and IV | 9 Abaxial branch of M. interosseus to tendon of M. extensor digitorum lateralis |
| 2 Tendon of M. extensor digitorum lateralis | 10 Superficial transverse metacarpal ligament (palmar annular ligament) |
| 3 Metacarpals III and IV (fused) | 11 Vagina fibrosa (proximal digital annular ligament) |
| 4 M. interosseus (lateral abaxial tendon) | 12 Distal ligament of accessory digit V |
| 5 Tendon of M. interosseus to tendon of M. flexor digitorum superficialis | 13 Coronet, digit IV |
| 6 Tendon of M. flexor digitorum profundus | 14 Abaxial hoof wall, digit IV |
| 7 Tendon of M. flexor digitorum superficialis | 15 Toe of hoof, digit IV |
| 8 Attachment of M. interosseus to proximal sesamoid bone, digit IV | |



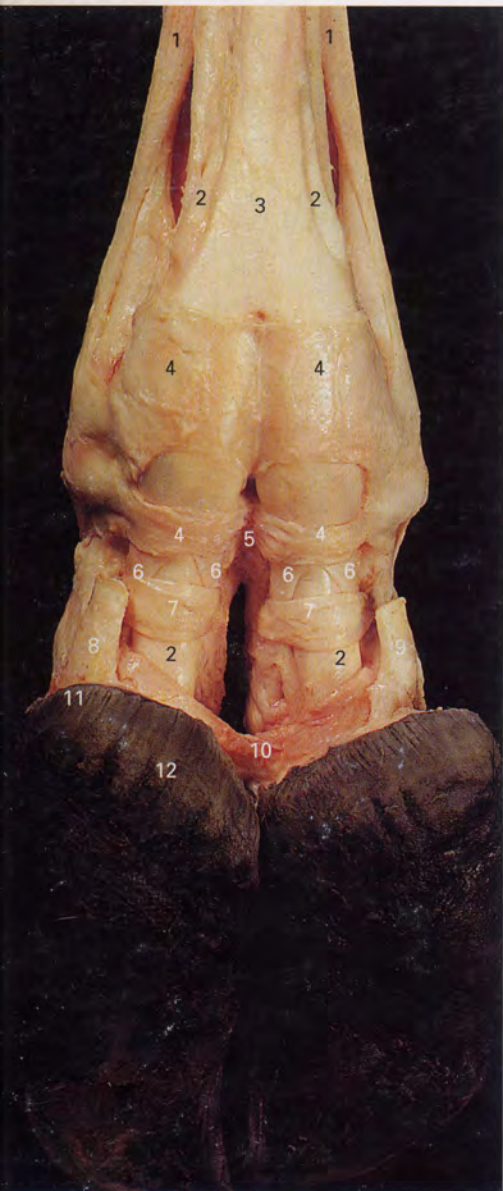
155. Superficial dissection of distal left manus of ox, medial view. The accessory digits have been removed.

- | | |
|---|---|
| 1 Tendon of M. flexor digitorum superficialis, superficial part | 8 Superficial transverse metacarpal ligament (palmar annular ligament) |
| 2 Tendon of M. flexor digitorum superficialis, deep part | 9 Attachment of M. interosseus to sesamoid bone of digit III |
| 3 Tendon of M. flexor digitorum profundus | 10 Abaxial branch of M. interosseus to tendon of M. extensor digitorum communis |
| 4 Tendon of M. interosseus to tendon of M. flexor digitorum superficialis | 11 Vagina fibrosa (proximal digital annular ligament) |
| 5 Tendon of M. interosseus (medial abaxial tendon) | 12 Distal ligament of accessory digit II |
| 6 Metacarpals III and IV (fused) | 13 Coronet, digit III |
| 7 Tendon of M. extensor digitorum communis to digit III | 14 Abaxial hoof wall, digit III |
| | 15 Toe of hoof, digit III |



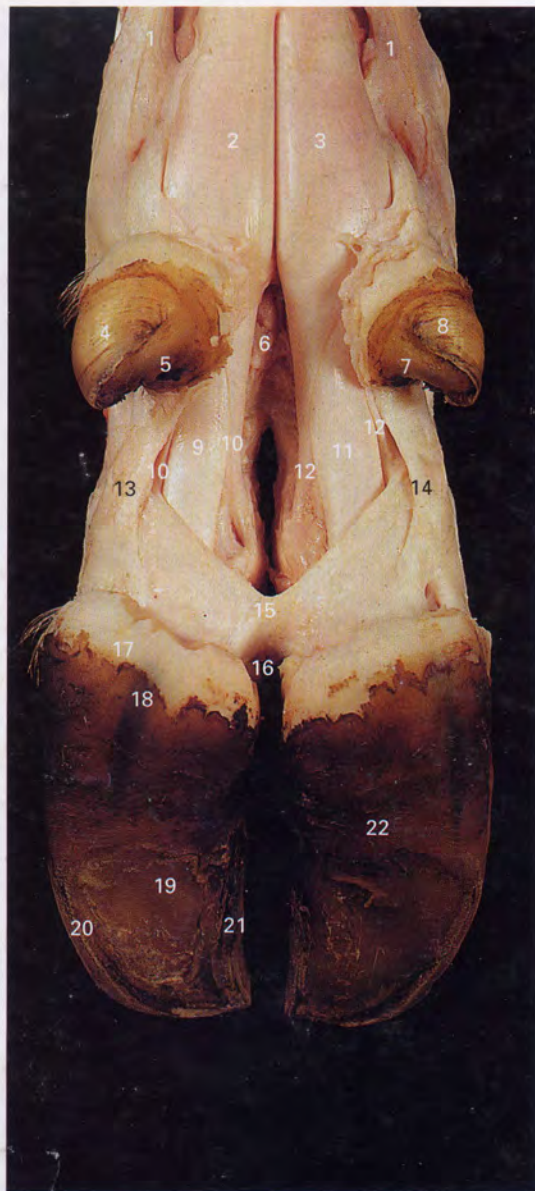
156. Superficial dissection of distal left manus of ox, dorsal view.

- | | |
|--|-------------------------------|
| 1 Metacarpals III and IV (fused) | 5 Interdigital cleft |
| 2 Tendon of M. extensor digitorum communis to digit III (M. extensor digitorum medialis) | 6 Coronet, digit IV |
| 3 Tendon of M. extensor digitorum communis to digits III and IV | 7 Abaxial hoof wall, digit IV |
| 4 Tendon of M. extensor digitorum lateralis | 8 Axial hoof wall, digit IV |
| | 9 Toe of hoof, digit IV |
| | 10 Digit III |



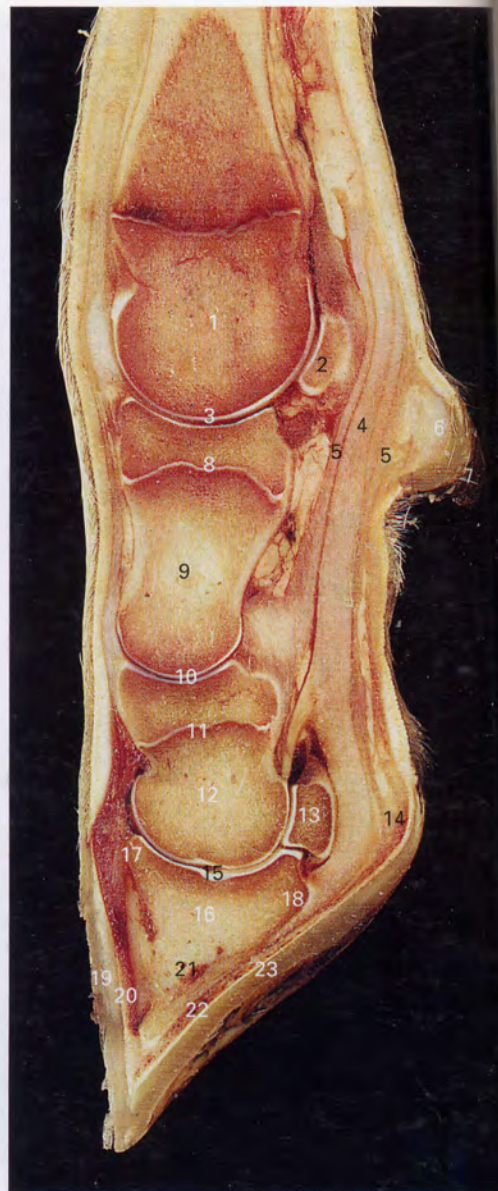
57. Superficial dissection of distal left manus of ox, palmar view. The accessory digits have been removed.

- | | |
|--|--|
| 1 M. interosseus | 7 Vagina fibrosa (proximal digital annular ligament) |
| 2 Tendon of M. flexor digitorum profundus | 8 Distal ligament of accessory digit V |
| 3 Tendon of M. flexor digitorum superficialis | 9 Distal ligament of accessory digit II |
| 4 Superficial transverse metacarpal ligament (palmar annular ligament) | 10 Distal interdigital ligament |
| 5 Proximal interdigital ligament | 11 Coronet, digit IV |
| 6 Insertions of M. flexor digitorum superficialis | 12 Bulb of heel, digit IV |



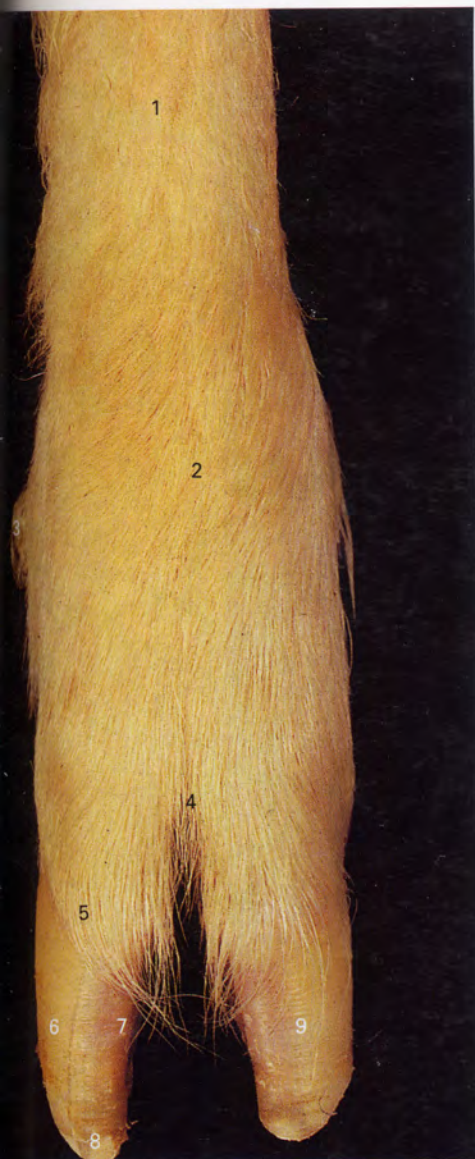
158. Deep dissection of distal left manus of ox, palmar view. The superficial transverse metacarpal ligament and vagina fibrosa have been removed.

- | | |
|--|---|
| 1 M. interosseus | 11 Tendon of M. flexor digitorum profundus to digit III |
| 2 Tendon of M. flexor digitorum superficialis to digit IV | 12 Insertions of tendon of M. flexor digitorum superficialis to digit III |
| 3 Tendon of M. flexor digitorum superficialis to digit III | 13 Distal ligament of accessory digit V |
| 4 Wall of hoof, digit V | 14 Distal ligament of accessory digit II |
| 5 Sole of hoof, digit V | 15 Distal interdigital ligament |
| 6 Proximal interdigital ligament | 16 Interdigital cleft |
| 7 Sole of hoof, digit II | 17 Coronet, digit IV |
| 8 Wall of hoof, digit II | 18 Bulb of heel, digit IV |
| 9 Tendon of M. flexor digitorum profundus to digit IV | 19 Sole of hoof, digit IV |
| 10 Insertions of tendon of M. flexor digitorum superficialis to digit IV | 20 Abaxial hoof wall, digit IV |
| | 21 Axial hoof wall, digit IV |
| | 22 Digit III |



159. Sagittal section through digit IV of left manus of immature ox.

- | | |
|---|---|
| 1 Metacarpal III and IV (fused) | 11 Proximal epiphysis of middle phalanx |
| 2 Proximal sesamoid bone | 12 Middle phalanx |
| 3 Metacarpophalangeal joint | 13 Distal sesamoid bone |
| 4 Tendon of M. flexor digitorum profundus | 14 Digital cushion |
| 5 Manica flexoria | 15 Distal interphalangeal joint |
| 6 Phalanges of digit V | 16 Distal phalanx, digit IV |
| 7 Hoof of digit V | 17 Extensor process |
| 8 Proximal epiphysis of proximal phalanx | 18 Flexor tuberosity |
| 9 Proximal phalanx | 19 Wall of hoof |
| 10 Proximal interphalangeal joint | 20 Lamellae |
| | 21 Vessels in solar canal |
| | 22 Corium of sole |
| | 23 Sole of hoof |



160. Left manus of sheep, dorsal view.

- | | |
|--------------------------------------|--------------------------------|
| 1 Metacarpal region | 6 Abaxial hoof wall, digit III |
| 2 Level of metacarpophalangeal joint | 7 Axial hoof wall, digit III |
| 3 Wall of hoof, digit II | 8 Toe of hoof, digit III |
| 4 Interdigital cleft | 9 Digit IV |
| 5 Coronet, digit III | |



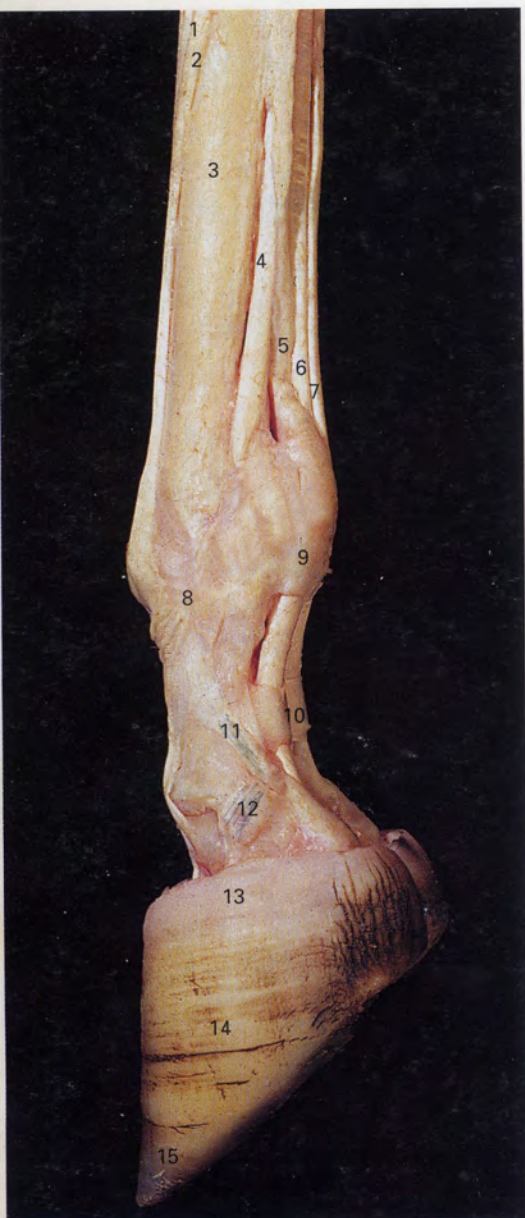
161. Left manus of sheep, lateral view.

- | | |
|--------------------------------------|-------------------------------|
| 1 Metacarpal region | 4 Coronet, digit IV |
| 2 Level of metacarpophalangeal joint | 5 Bulb of heel, digit IV |
| 3 Abaxial hoof wall, digit V | 6 Abaxial hoof wall, digit IV |
| | 7 Toe of hoof, digit IV |
| | 8 Hoof wall, digit III |



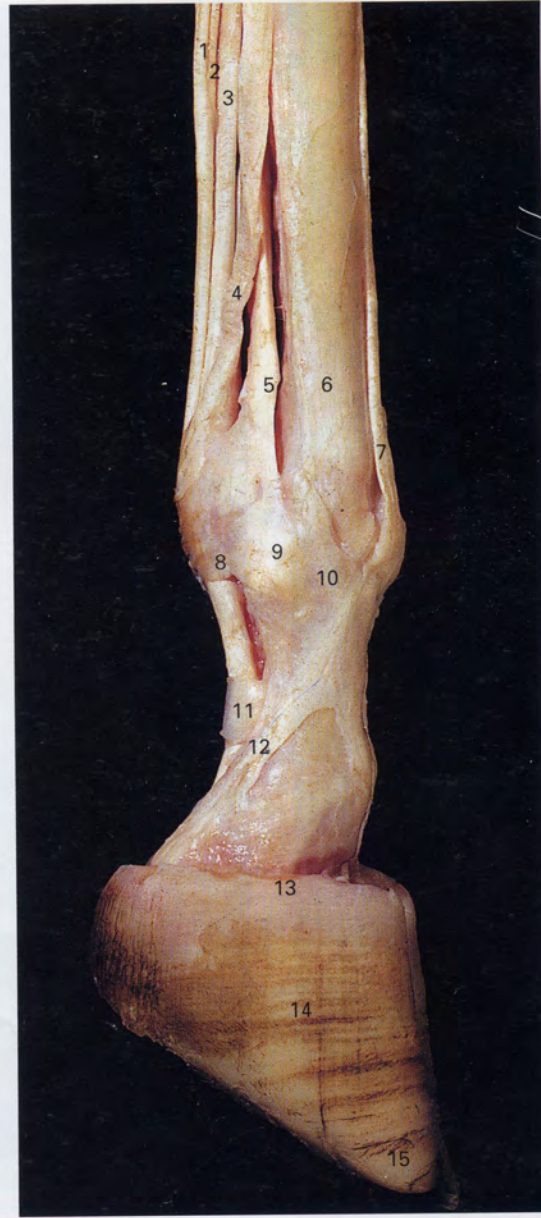
162. Left digits of sheep, solar view.

- | | |
|--------------------------|-------------------------------|
| 1 Digit V | 7 Abaxial hoof wall, digit IV |
| 2 Digit II | 8 Axial hoof wall, digit IV |
| 3 Interdigital cleft | 9 Toe of hoof, digit IV |
| 4 Coronet, digit IV | 10 Digit III |
| 5 Bulb of heel, digit IV | |
| 6 Sole of hoof, digit IV | |



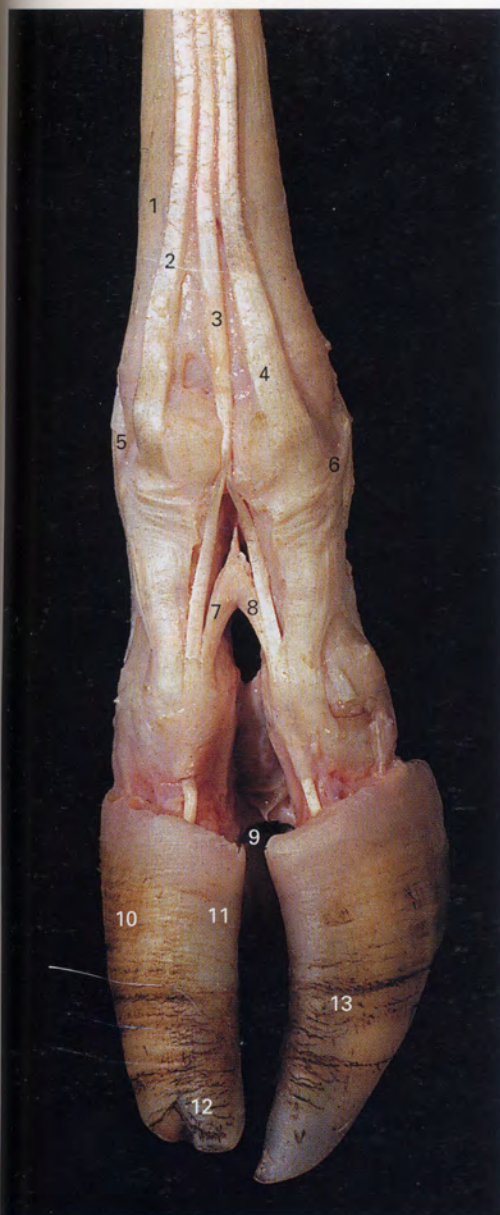
163. Superficial dissection of distal left manus of sheep, lateral view. The accessory digits have been removed.

- | | |
|---|--|
| 1 Tendon of M. extensor digitorum communis to digits III and IV | 9 Superficial transverse metacarpal ligament (palmar annular ligament) |
| 2 Tendon of M. extensor digitorum lateralis | 10 Vagina fibrosa (proximal digital annular ligament) |
| 3 Metacarpals III and IV (fused) | 11 Collateral sesamoidean ligament |
| 4 M. interosseus | 12 Lateral collateral ligament of proximal interphalangeal joint, digit IV |
| 5 Branch of M. interosseus to tendon of M. flexor digitorum superficialis | 13 Coronet, digit IV |
| 6 Tendon of M. flexor digitorum profundus | 14 Abaxial hoof wall, digit IV |
| 7 Tendon of M. flexor digitorum superficialis | 15 Toe of hoof, digit IV |
| 8 Abaxial branch of M. interosseus to extensor tendon of digit IV | |



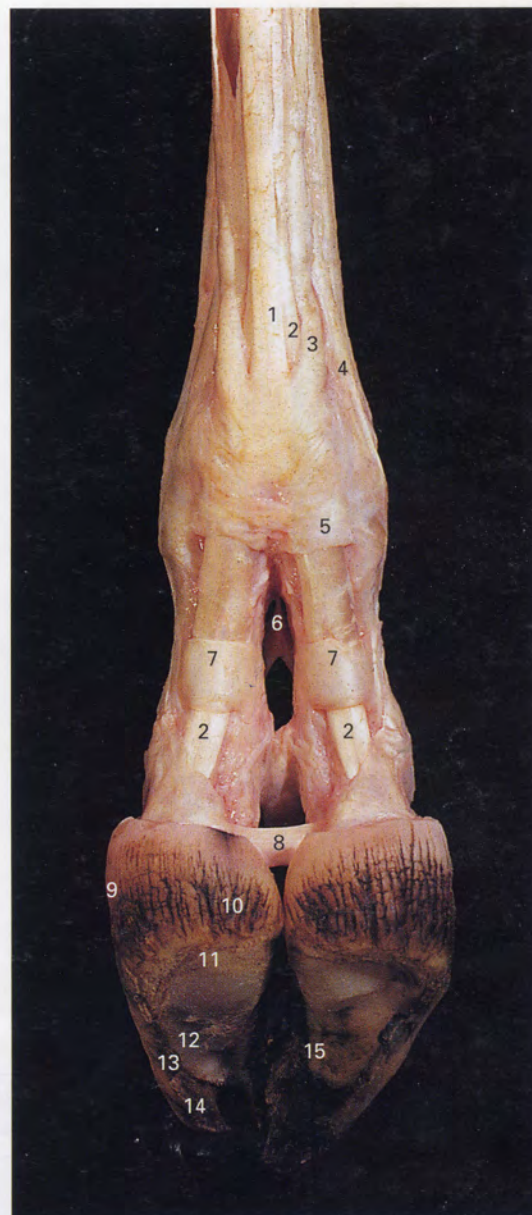
164. Superficial dissection of distal left manus of sheep, medial view. The accessory digits have been removed.

- | | |
|---|--|
| 1 Tendon of M. flexor digitorum superficialis (superficial part) | 8 Superficial transverse metacarpal ligament (palmar annular ligament) |
| 2 Tendon of M. flexor digitorum superficialis (deep part) | 9 Attachment of M. interosseus to proximal sesamoid bone |
| 3 Tendon of M. flexor digitorum profundus | 10 Abaxial branch of M. interosseus to extensor tendon of digit III |
| 4 Tendon of M. interosseus to tendon of M. flexor digitorum superficialis | 11 Vagina fibrosa (proximal digital annular ligament) |
| 5 Branch of M. interosseus to proximal sesamoid bone | 12 Collateral sesamoidean ligament |
| 6 Metacarpals III and IV (fused) | 13 Coronet, digit III |
| 7 Tendon of M. extensor digitorum communis | 14 Abaxial hoof wall, digit III |
| | 15 Toe of hoof, digit III |



165. Superficial dissection of left manus of sheep, dorsal view.

- | | |
|--|---|
| 1 Metacarpals III and IV (fused) | 7 Interdigital branch of M. interosseus to extensor tendon of digit III |
| 2 Tendon of M. extensor digitorum communis to digit III | 8 Interdigital branch of M. interosseus to extensor tendon of digit IV |
| 3 Tendon of M. extensor digitorum communis to digits III and IV | 9 Interdigital cleft |
| 4 Tendon of M. extensor digitorum lateralis | 10 Abaxial hoof wall, digit III |
| 5 Abaxial branch of M. interosseus to extensor tendon of digit III | 11 Axial hoof wall, digit III |
| 6 Abaxial branch of M. interosseus to extensor tendon of digit IV | 12 Toe of hoof, digit III |
| | 13 Digit IV |



166. Superficial dissection of left manus of sheep, palmar view. The accessory digits have been removed.

- | | |
|---|--|
| 1 Tendon of M. flexor digitorum superficialis | 7 Vagina fibrosa (proximal digital annular ligament) |
| 2 Tendon of M. flexor digitorum profundus | ⑧ Distal interdigital ligament |
| 3 Branch of M. interosseus to tendon of M. flexor digitorum superficialis | 9 Abaxial part of bulb of heel, digit IV |
| 4 Branch of M. interosseus to proximal sesamoid bone and extensor tendon of digit III | 10 Axial part of bulb of heel, digit IV |
| 5 Superficial transverse metacarpal ligament (palmar annular ligament) | 11 Solar part of bulb of heel, digit IV |
| ⑥ Proximal interdigital ligament | 12 Sole of hoof, digit IV |
| | 13 White zone, digit IV |
| | 14 Toe of hoof, digit IV |
| | 15 Digit III |



167. Left manus of llama, dorsal view.

- 1 Metacarpal region
- 2 Level of metacarpophalangeal joint
- 3 Interdigital cleft
- 4 Coronet, digit III
- 5 Abaxial hoof wall, digit III
- 6 Axial hoof wall, digit III
- 7 Toe of hoof, digit III
- 8 Digit IV



169. Left manus of llama, solar view.

- 1 Metacarpal region
- 2 Level of metacarpophalangeal joint
- 3 Digital pad, digit IV
- 4 Interdigital space
- 5 Abaxial hoof wall, digit IV
- 6 Sole of hoof, digit IV
- 7 Axial hoof wall, digit IV
- 8 Toe of hoof, digit IV
- 9 Digit III



168. Left manus of llama, lateral view.

- | | |
|--------------------------------------|----------------------------------|
| 1 Metacarpal region | 5 Hoof wall (slipper), digit III |
| 2 Level of metacarpophalangeal joint | 6 Hoof wall (slipper), digit IV |
| 3 Digit III | 7 Digital pad, digit IV |
| 4 Digit IV | |



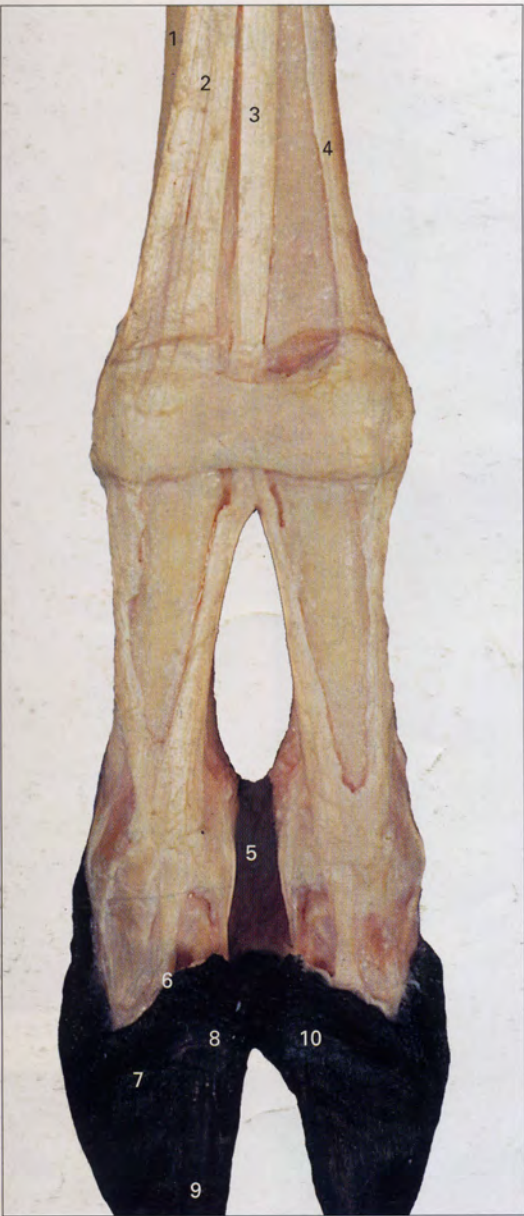
170. Superficial dissection of distal left manus of llama, lateral view.

- | | |
|---|--|
| 1 Tendon of M. extensor digitorum communis | 7 Attachment of M. interosseus to proximal sesamoid bone, digit IV |
| 2 Tendon of M. extensor digitorum lateralis | 8 Superficial transverse metacarpal ligament (palmar annular ligament) |
| 3 Metacarpals III and IV (fused) | 9 Digital pad, digit IV |
| 4 M. interosseus | 10 Abaxial hoof wall, digit IV |
| 5 Tendon of M. flexor digitorum profundus | |
| 6 Tendon of M. flexor digitorum superficialis | |



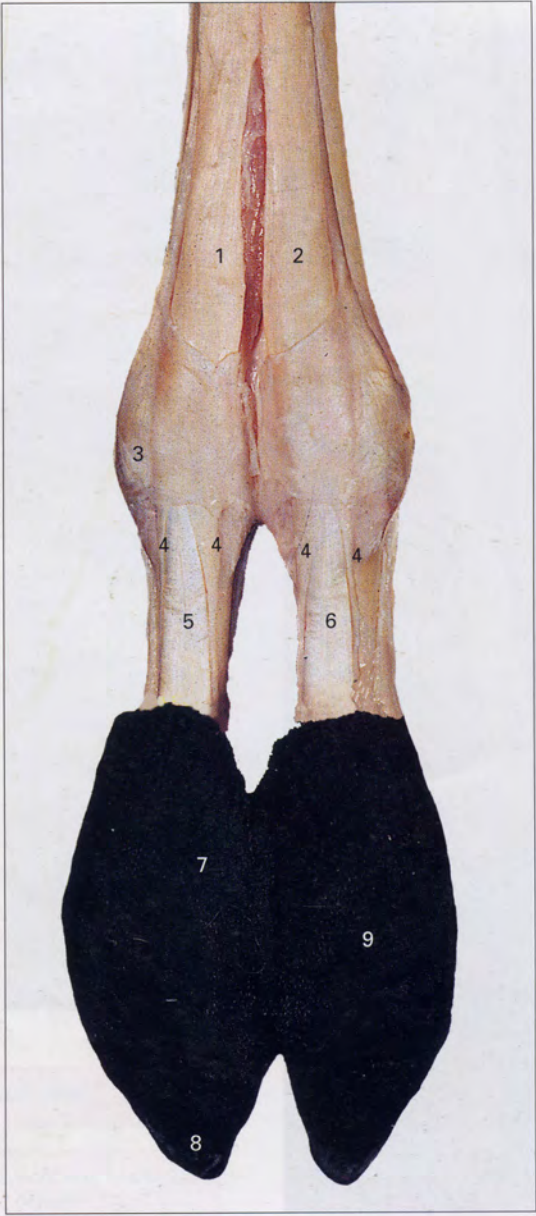
171. Superficial dissection of distal left manus of llama, medial view.

- | | |
|---|--|
| 1 Tendon of M. flexor digitorum superficialis | 7 Superficial transverse metacarpal ligament (palmar annular ligament) |
| 2 Tendon of M. flexor digitorum profundus | 8 Digital pad, digit III |
| 3 M. interosseus | 9 Abaxial hoof wall, digit III |
| 4 Metacarpals III and IV (fused) | |
| 5 Tendon of M. extensor digitorum communis | |
| 6 Attachment of M. interosseus to proximal sesamoid bone, digit III | |



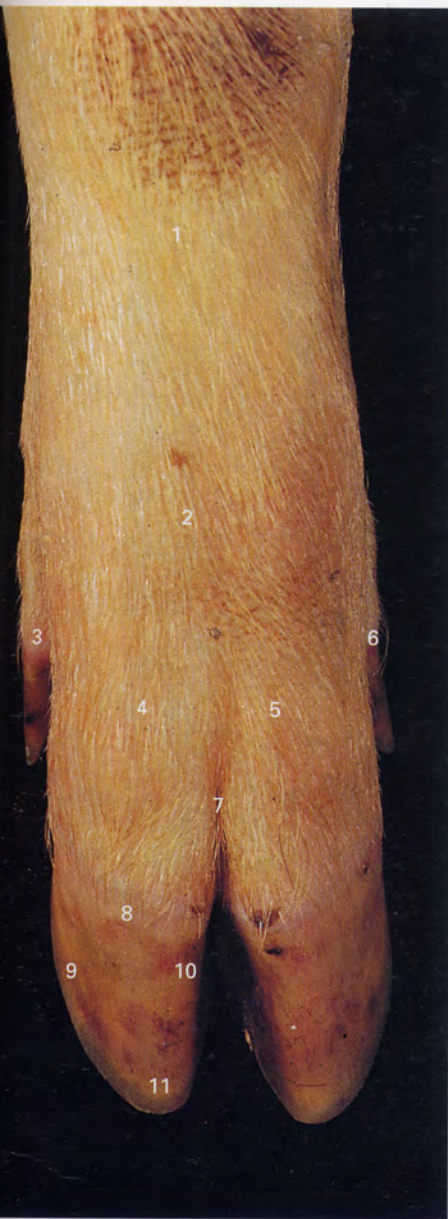
172. Superficial dissection of distal left manus of llama, dorsal view.

- | | |
|---|--------------------------------|
| 1 Metatarsals III and IV (fused) | 5 Distal interdigital ligament |
| 2 Tendon of M. extensor digitorum communis to digit III | 6 Coronet, digit III |
| 3 Tendon of M. extensor digitorum communis to digits III and IV | 7 Abaxial hoof wall, digit III |
| 4 Tendon of M. extensor digitorum lateralis | 8 Axial hoof wall, digit III |
| | 9 Toe of hoof, digit III |
| | 10 Digit IV |



173. Superficial dissection of distal left manus of llama, palmar view.

- | | |
|--|--|
| 1 Tendon of M. flexor digitorum superficialis to digit IV | 4 Manica flexoria |
| 2 Tendon of M. flexor digitorum superficialis to digit III | 5 Tendon of M. flexor digitorum profundus to digit IV |
| 3 Superficial transverse metacarpal ligament (palmar annular ligament) | 6 Tendon of M. flexor digitorum profundus to digit III |
| | 7 Digital pad, digit IV |
| | 8 Sole of hoof, digit IV |
| | 9 Digit III |



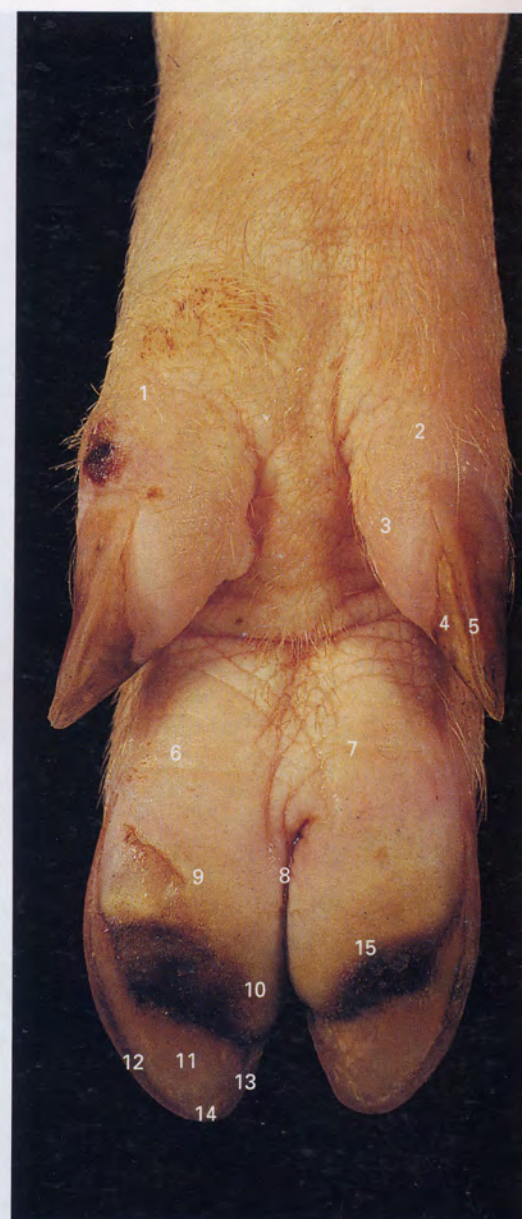
174. Left manus of pig, dorsal view.

- | | |
|--------------------------------------|--------------------------------|
| 1 Metacarpal region | 7 Interdigital cleft |
| 2 Level of metacarpophalangeal joint | 8 Coronet, digit III |
| 3 Digit II | 9 Abaxial hoof wall, digit III |
| 4 Digit III | 10 Axial hoof wall, digit III |
| 5 Digit IV | 11 Toe of hoof, digit III |
| 6 Digit V | |



175. Left manus of pig, lateral view.

- | | |
|--------------------------------------|-------------------------------|
| 1 Metacarpal region | 6 Abaxial hoof wall, digit V |
| 2 Level of metacarpophalangeal joint | 7 Coronet, digit IV |
| 3 Digit IV | 8 Abaxial hoof wall, digit IV |
| 4 Digit V | 9 Digital pad, digit IV |
| 5 Coronet, digit V | 10 Toe of hoof, digit IV |



176. Left digits of pig, solar view.

- | | |
|-------------------------------|----------------------------------|
| 1 Digit V | 10 Apex of digital pad, digit IV |
| 2 Digit II | 11 Sole of hoof, digit IV |
| 3 Digital pad, digit II | 12 Abaxial hoof wall, digit IV |
| 4 Sole, digit II | 13 Axial hoof wall, digit IV |
| 5 Abaxial hoof wall, digit II | 14 Toe of hoof, digit IV |
| 6 Digit IV | 15 Digit III |
| 7 Digit III | |
| 8 Interdigital space | |
| 9 Digital pad, digit IV | |



177. Superficial dissection of left distal manus of pig, lateral view.

- | | |
|---|-------------------------------|
| 1 Tendons of M. extensor digitorum communis | 5 Abaxial hoof wall, digit V |
| 2 Tendon of M. extensor digitorum lateralis | 6 Coronet, digit IV |
| 3 Abaxial branch of M. interosseus to extensor tendon, digit IV | 7 Abaxial hoof wall, digit IV |
| 4 Coronet, digit V | 8 Digital pad, digit IV |
| | 9 Toe of hoof, digit IV |



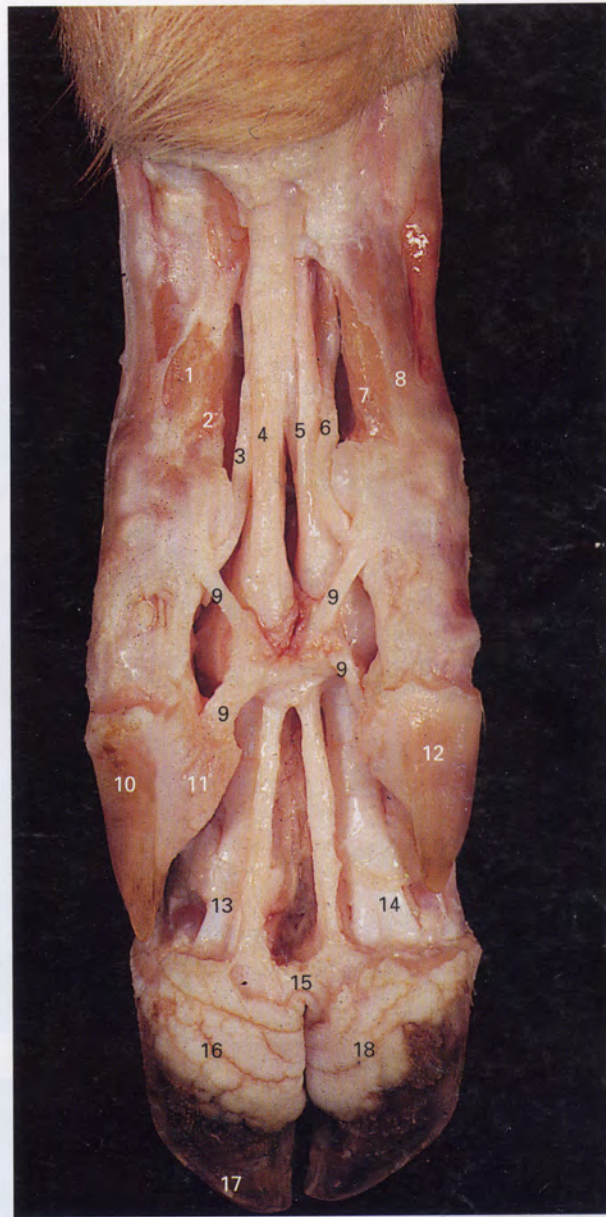
178. Superficial dissection of left distal manus of pig, medial view.

- | | |
|--|--------------------------------|
| 1 M. abductor digiti II | 6 Coronet, digit III |
| 2 Tendon of M. extensor digitorum communis | 7 Digital pad, digit III |
| 3 Coronet, digit II | 8 Abaxial hoof wall, digit III |
| 4 Abaxial hoof wall, digit II | 9 Toe of hoof, digit III |
| 5 Tendon of M. flexor digitorum profundus to digit III | |



179. Superficial dissection of left distal manus of pig, dorsal view.

- | | |
|--|--------------------------------|
| 1 Tendons of M. extensor digitorum communis | 4 Coronet, digit III |
| 2 Tendons of M. extensor digitorum lateralis | 5 Abaxial hoof wall, digit III |
| 3 Interdigital cleft | 6 Axial hoof wall, digit III |
| | 7 Toe of hoof, digit III |
| | 8 Digit IV |



180. Superficial dissection of left distal manus of pig, palmar view.

- | | |
|---|---|
| 1 M. abductor digiti V | 10 Wall, digit V |
| 2 M. flexor digiti V brevis | 11 Digital pad, digit V |
| 3 M. interosseus V | 12 Wall, digit II |
| 4 Tendon of M. flexor digitorum superficialis, superficial part | 13 Tendon of M. flexor digitorum profundus to digit IV |
| 5 Tendon of M. flexor digitorum superficialis, deep part | 14 Tendon of M. flexor digitorum profundus to digit III |
| 6 Tendon of M. flexor digitorum profundus to digit II | 15 Distal interdigital ligament |
| 7 M. lumbricales II | 16 Digital pad, digit IV |
| 8 M. abductor digiti II | 17 Sole, digit IV |
| 9 Deep transverse metacarpal ligaments | 18 Digit III |

5 Pelvic Limb



181. Ossa coxarum of horse, craniodorsal view.

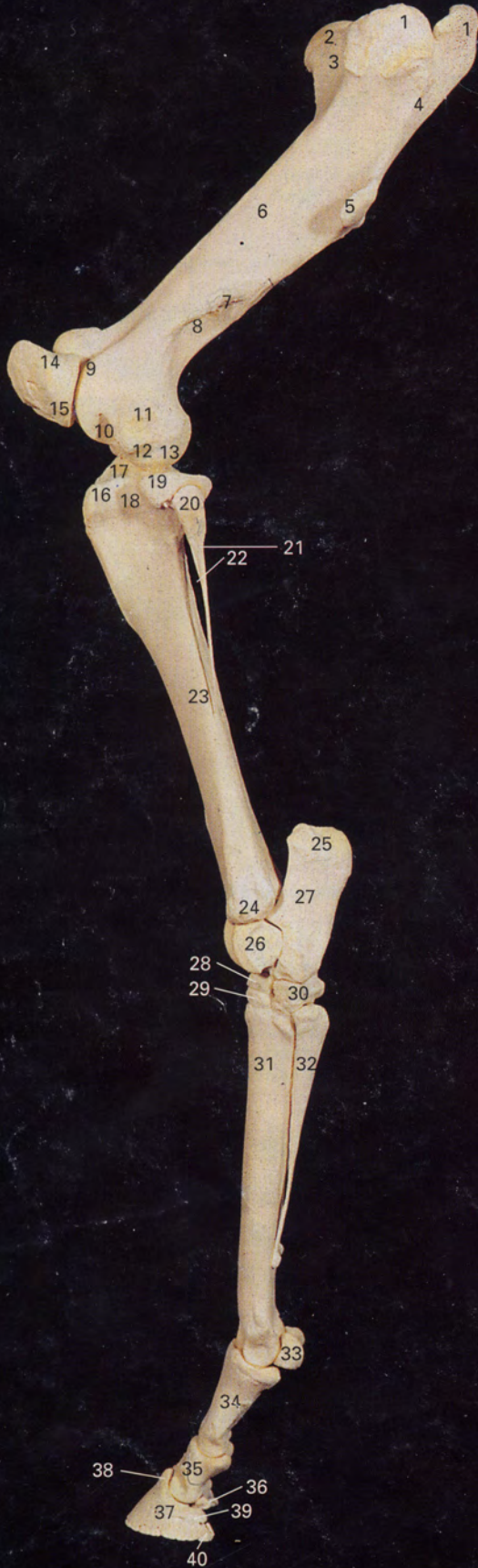
- | | |
|------------------------------------|--------------------------------|
| 1 Wing of ilium | 8 Pubic tubercle |
| 2 Body of ilium | 9 Arcuate (iliopectineal) line |
| 3 Pubis | 10 Coxal tuberosity |
| 4 Ischium | 11 Auricular surface |
| 5 Pelvic symphysis, ischiatic part | 12 Iliac crest |
| 6 Ischiatic arch | 13 Sacral tuberosity |
| 7 Obturator foramen | |



182. Ossa coxarum of horse, left lateral view.

- | | |
|---------------------------|-----------------------------------|
| 1 Coxal tuberosity | 7 Ischiatic tuberosity |
| 2 Crest of ilium | 8 Articular surface of acetabulum |
| 3 Sacral tuberosity | 9 Acetabular fossa |
| 4 Greater ischiatic notch | 10 Acetabular notch |
| 5 Ischiatic spine | 11 Obturator foramen |
| 6 Lesser ischiatic notch | |

183. Skeleton of left pelvic limb of horse, lateral view.


Femur

- 1 Greater trochanter
- 2 Head
- 3 Neck
- 4 Intertrochanteric crest
- 5 Third trochanter
- 6 Body
- 7 Lateral supracondylar tuberosity
- 8 Supracondylar fossa
- 9 Trochlea
- 10 Extensor fossa
- 11 Lateral epicondyle
- 12 Popliteal fossa
- 13 Lateral condyle

Patella

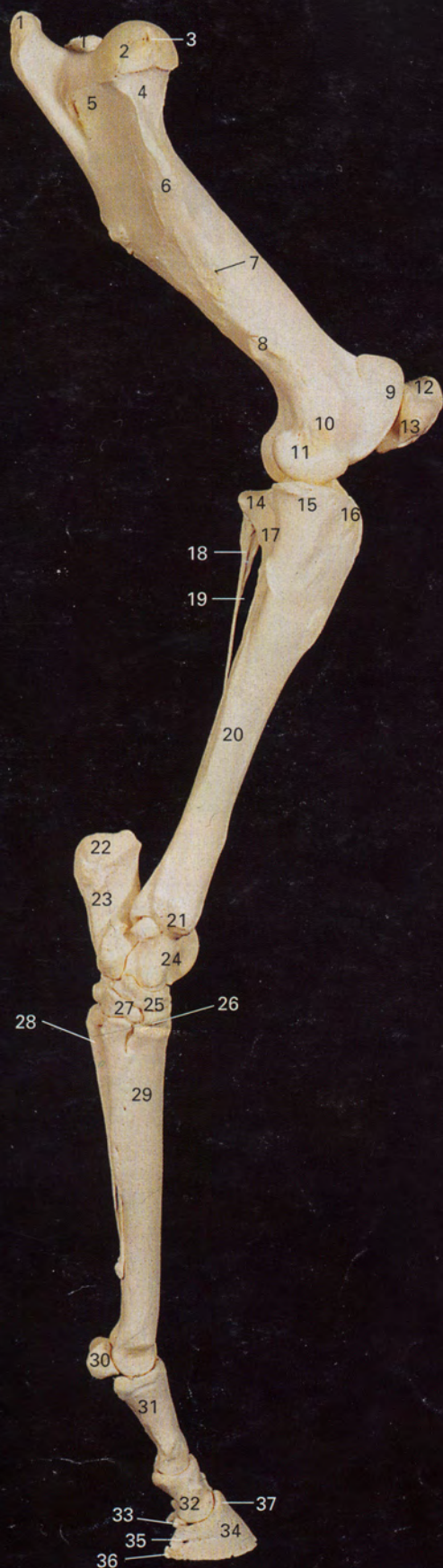
- 14 Base
- 15 Apex
- 16 Tibial tuberosity
- 17 Intercondylar eminence
- 18 Extensor sulcus
- 19 Lateral condyle
- 20 Head of fibula

21 Body of fibula

- 22 Interosseous space
- 23 Body of tibia
- 24 Lateral malleolus

Pes

- 25 Calcaneal tuber
- 26 Talus
- 27 Calcaneus
- 28 Central tarsal bone
- 29 Third tarsal bone
- 30 Fourth tarsal bone
- 31 Metatarsal III (cannon bone)
- 32 Metatarsal IV (lateral splint bone)
- 33 Proximal sesamoid bone
- 34 Proximal phalanx
- 35 Middle phalanx
- 36 Distal sesamoid (navicular) bone
- 37 Distal phalanx (coffin bone)
- 38 Extensor process
- 39 Lateral parietal sulcus
- 40 Lateral process



184. Skeleton of left pelvic limb of horse, medial view.

Femur

- 1 Greater trochanter
- 2 Head
- 3 Fovea
- 4 Neck
- 5 Trochanteric fossa
- 6 Lesser trochanter
- 7 Nutrient foramen
- 8 Medial supracondyloid tuberosity
- 9 Trochlea
- 10 Medial epicondyle
- 11 Medial condyle

Patella

- 12 Base
- 13 Apex

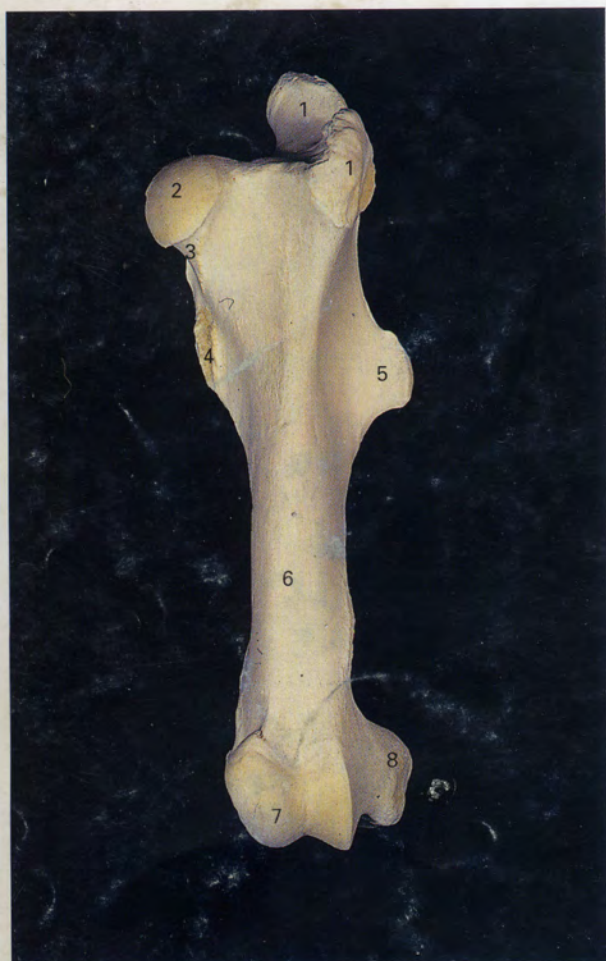
Crus

- 14 Lateral condyle
- 15 Medial condyle
- 16 Tibial tuberosity
- 17 Popliteal notch
- 18 Fibula
- 19 Interosseous space

- 20 Body of tibia
- 21 Medial malleolus

Pes

- 22 Calcaneal tuber
- 23 Calcaneus
- 24 Talus
- 25 Central tarsal bone
- 26 Third tarsal bone
- 27 First and second tarsal bones (fused)
- 28 Metatarsal II (medial splint bone)
- 29 Metatarsal III (cannon bone)
- 30 Proximal sesamoid bone
- 31 Proximal phalanx
- 32 Middle phalanx
- 33 Distal sesamoid (navicular) bone
- 34 Distal phalanx (coffin bone)
- 35 Medial parietal sulcus
- 36 Medial process
- 37 Extensor process



185. Left femur of horse, cranial view

- | | |
|----------------------|----------------------|
| 1 Greater trochanter | 5 Third trochanter |
| 2 Head | 6 Body |
| 3 Neck | 7 Trochlea |
| 4 Lesser trochanter | 8 Lateral epicondyle |



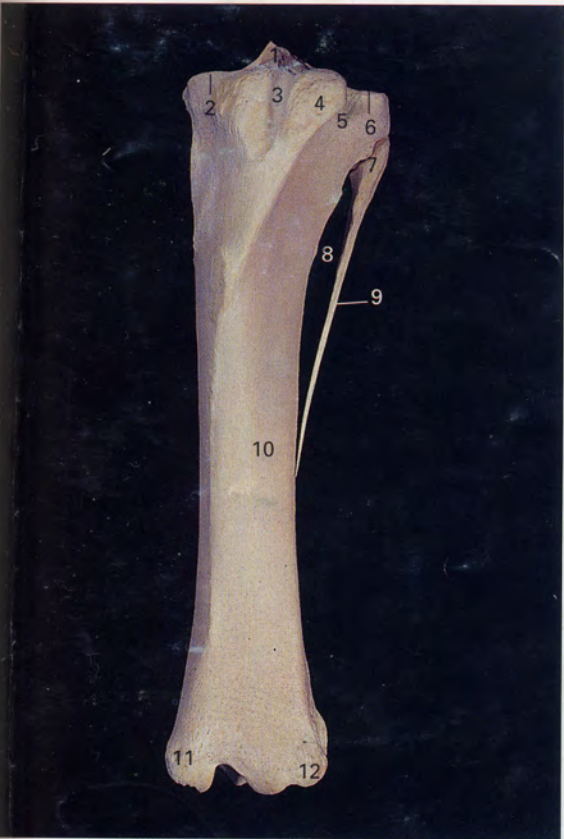
186. Left femur of horse, caudal view.

- | | |
|------------------------------|--------------------------------------|
| 1 Greater trochanter | 10 Lateral supracondyloid tuberosity |
| 2 Intertrochanteric crest | 11 Supracondyloid fossa |
| 3 Trochanteric fossa | 12 Medial supracondyloid tuberosity |
| 4 Head | 13 Intercondylar line |
| 5 Fovea | 14 Lateral condyle |
| 6 Neck | 15 Intercondylar fossa |
| 7 Third trochanter | 16 Medial condyle |
| 8 Lesser trochanter | 17 Medial epicondyle |
| 9 Groove for femoral vessels | |



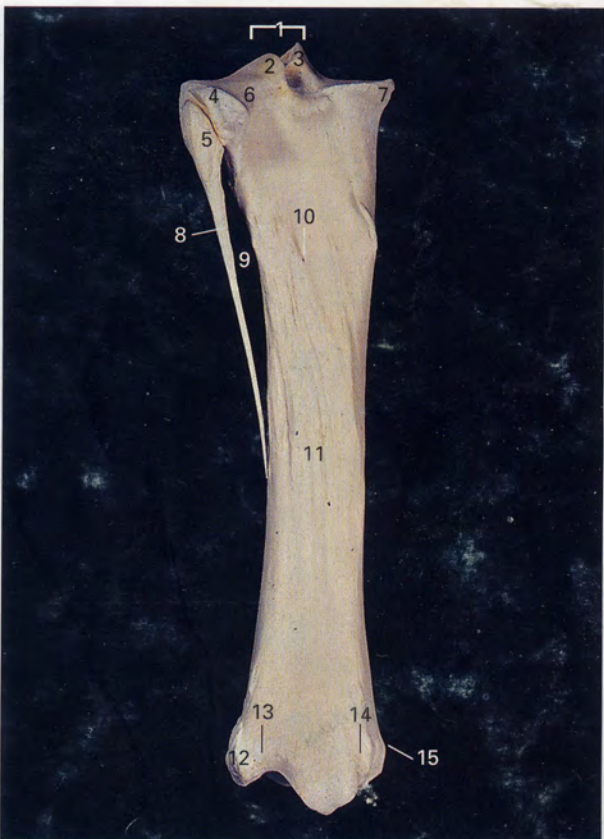
187. Left patella of horse, cranial view.

- | | |
|---|--|
| 1 Base | 4 Attachment area of lateral patellar ligament |
| 2 Medial border | 5 Lateral border |
| 3 Attachment area of middle patellar ligament | 6 Apex |



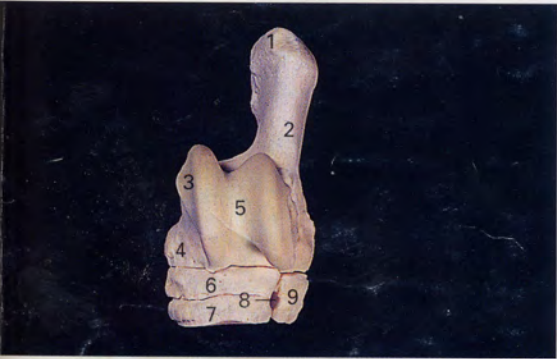
188. Left tibia and fibula of horse, cranial view.

- | | |
|---------------------------------------|----------------------|
| 1 Intercondylar eminence | 7 Head of fibula |
| 2 Medial condyle | 8 Interosseous space |
| 3 Groove for middle patellar ligament | 9 Body of fibula |
| 4 Tibial tuberosity | 10 Body of tibia |
| 5 Extensor sulcus | 11 Medial malleolus |
| 6 Lateral condyle | 12 Lateral malleolus |



189. Left tibia and fibula of horse, caudal view.

- | | |
|----------------------------------|---|
| 1 Intercondylar eminence | 9 Interosseous space |
| 2 Lateral intercondylar tubercle | 10 Nutrient foramen |
| 3 Medial intercondylar tubercle | 11 Body of tibia |
| 4 Lateral condyle | 12 Lateral malleolus |
| 5 Head of fibula | 13 Groove for tendon of M. extensor digitorum lateralis |
| 6 Popliteal notch | 14 Groove for tendon of M. flexor digitorum longus |
| 7 Medial condyle | 15 Medial malleolus |
| 8 Body of fibula | |



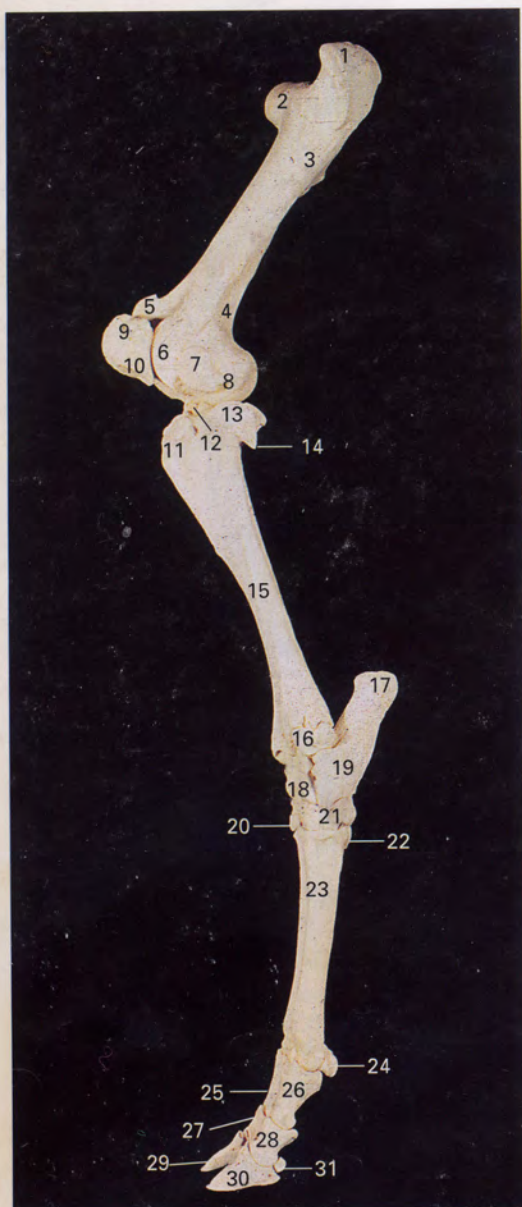
190. Left tarsal bones of horse, dorsal view.

- | | |
|------------------------------|----------------------|
| 1 Calcaneal tuber | 7 Third tarsal bone |
| 2 Calcaneus | 8 Vascular canal |
| 3 Talus | 9 Fourth tarsal bone |
| 4 Distal tuberosity of talus | |
| 5 Trochlea | |
| 6 Central tarsal bone | |



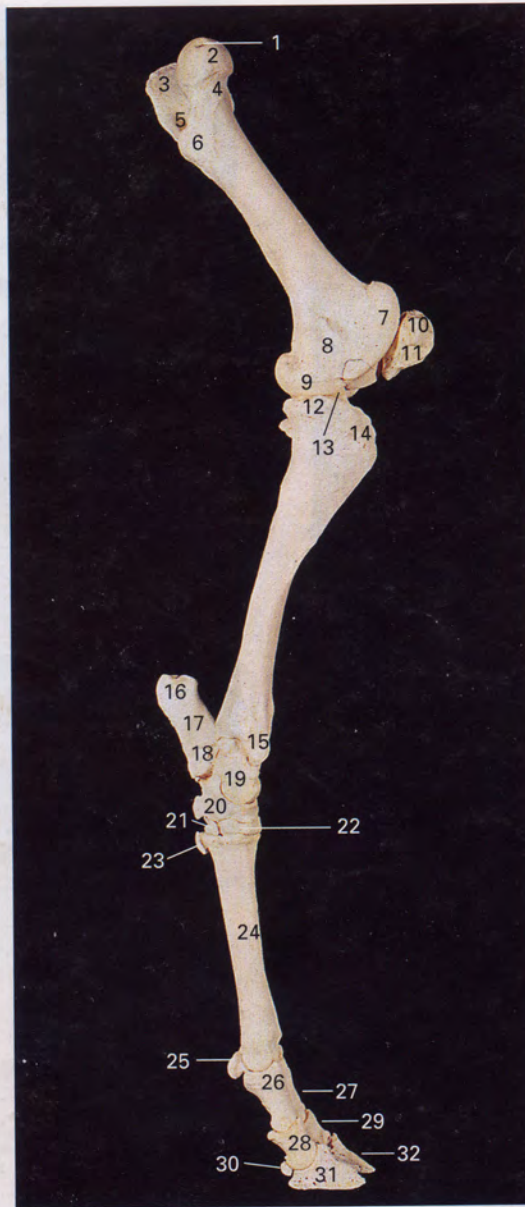
191. Left tarsal bones of horse, plantar view.

- | | |
|---|---|
| 1 Calcaneal tuber | 5 Sustentaculum tali |
| 2 Calcaneus | 6 Central tarsal bone |
| 3 Tarsal groove for tendon of M. flexor digitorum profundus | 7 Fourth tarsal bone |
| 4 Talus | 8 Vascular canal |
| | 9 First and second tarsal bones (fused) |



192. Skeleton of left pelvic limb of ox, lateral view.

Femur	Pes
1 Greater trochanter	17 Calcaneal tuber
2 Head	18 Talus
3 Third trochanter	19 Calcaneus
4 Supracondyloid fossa	20 Second and third tarsal bones (fused)
5 Medial crest of trochlea	21 Centroquartal bone
6 Lateral crest of trochlea	22 Metatarsal sesamoid bone
7 Lateral epicondyle	23 Metatarsals III and IV (fused)
8 Lateral condyle	24 Proximal sesamoid bone, digit IV
	25 Proximal phalanx, digit III
	26 Proximal phalanx, digit IV
	27 Middle phalanx, digit III
	28 Middle phalanx, digit IV
	29 Distal phalanx, digit III
	30 Distal phalanx, digit IV
	31 Distal sesamoid bone, digit IV



193. Skeleton of left pelvic limb of ox, medial view.

Femur	19 Talus
1 Fovea	20 Centroquartal bone
2 Head	21 First tarsal bone
3 Greater trochanter	22 Second and third tarsal bones (fused)
4 Neck	23 Metatarsal sesamoid bone
5 Trochanteric fossa	24 Metatarsals III and IV (fused)
6 Lesser trochanter	25 Proximal sesamoid bone, digit III
7 Trochlea	26 Proximal phalanx, digit III
8 Medial epicondyle	27 Proximal phalanx, digit IV
9 Medial condyle	28 Middle phalanx, digit III
	29 Middle phalanx, digit IV
	30 Distal sesamoid bone, digit III
	31 Distal phalanx, digit III
	32 Distal phalanx, digit IV

Patella

- 10 Base
- 11 Apex

Crus

- 12 Medial condyle of tibia
- 13 Intercondylar eminence
- 14 Tibial tuberosity
- 15 Medial malleolus

Pes

- 16 Calcaneal tuber
- 17 Calcaneus
- 18 Sustentaculum tali



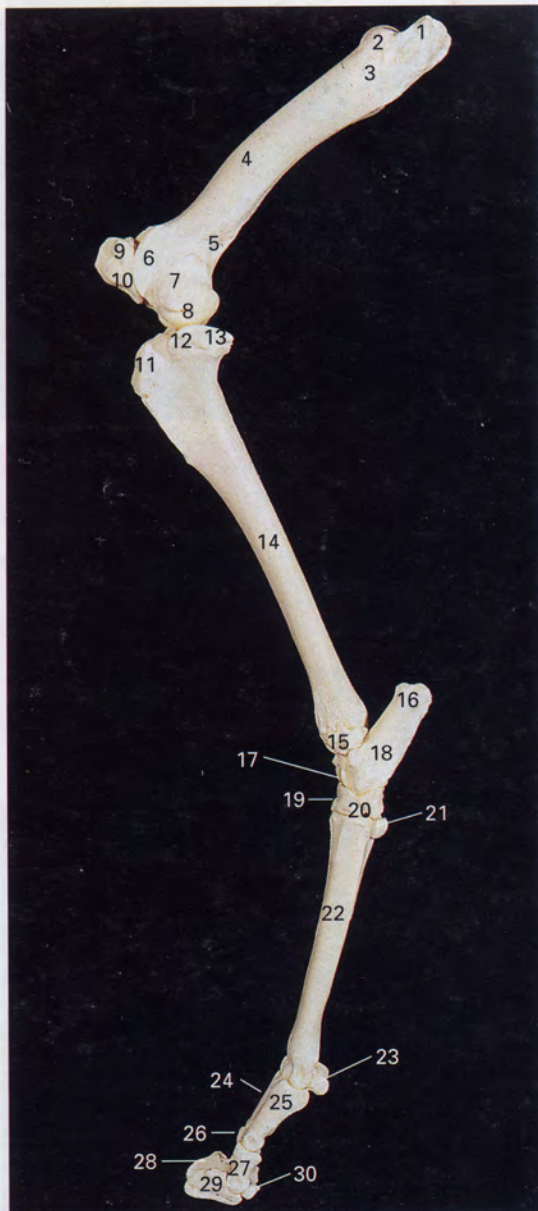
194. Left tarsal bones of ox, dorsal view.

1 Calcaneal tuber	6 Centroquartal bone
2 Calcaneus	7 Second and third tarsal bones (fused)
3 Trochlea	
4 Talus	
5 Tarsal sinus	



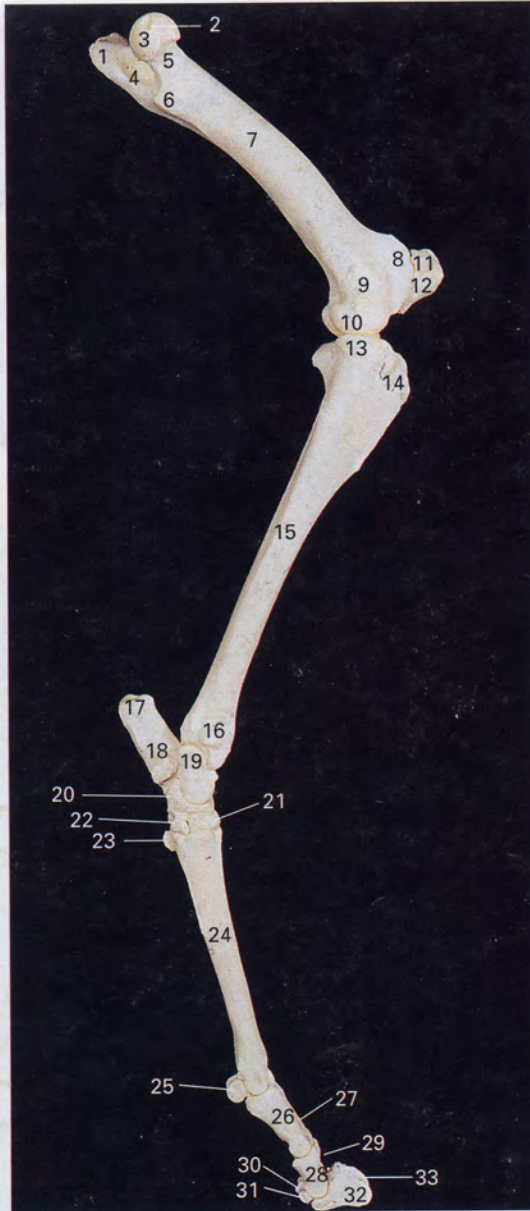
195. Left tarsal bones of ox, plantar view.

1 Calcaneal tuber	7 Centroquartal bone
2 Calcaneus	8 Second and third tarsal bones (fused)
3 Sustentaculum tali	9 First tarsal bone
4 Trochlea	
5 Talus	
6 Tarsal sinus	



196. Skeleton of left pelvic limb of sheep, lateral view.

- | | |
|--|-------------------------------------|
| Femur | 20 Centroquartal bone |
| 1 Greater trochanter | 21 Metatarsal sesamoid bone |
| 2 Head | 22 Metatarsals III and IV (fused) |
| 3 Third trochanter | 23 Proximal sesamoid bone, digit IV |
| 4 Body | 24 Proximal phalanx, digit III |
| 5 Supracondyloid fossa | 25 Proximal phalanx, digit IV |
| 6 Trochlea | 26 Middle phalanx, digit III |
| 7 Lateral epicondyle | 27 Middle phalanx, digit IV |
| 8 Lateral condyle | 28 Distal phalanx, digit III |
| | 29 Distal phalanx, digit IV |
| | 30 Distal sesamoid bone, digit IV |
| Patella | |
| 9 Base | |
| 10 Apex | |
| Crus | |
| 11 Tibial tuberosity | |
| 12 Lateral condyle | |
| 13 Head of fibula | |
| 14 Body of tibia | |
| 15 Lateral malleolus | |
| Pes | |
| 16 Calcaneal tuber | |
| 17 Talus | |
| 18 Calcaneus | |
| 19 Second and third tarsal bones (fused) | |



197. Skeleton of left pelvic limb of sheep, medial view.

- | | |
|----------------------------|--|
| Femur | 21 Second and third tarsal bones (fused) |
| 1 Greater trochanter | 22 First tarsal bone |
| 2 Fovea | 23 Metatarsal sesamoid bone |
| 3 Head | 24 Metatarsals III and IV (fused) |
| 4 Trochanteric fossa | 25 Proximal sesamoid bone, digit III |
| 5 Neck | 26 Proximal phalanx, digit III |
| 6 Lesser trochanter | 27 Proximal phalanx, digit IV |
| 7 Body | 28 Middle phalanx, digit III |
| 8 Trochlea | 29 Middle phalanx, digit IV |
| 9 Medial epicondyle | 30 Distal sesamoid bone, digit IV |
| 10 Medial condyle | 31 Distal sesamoid bone, digit III |
| Patella | |
| 11 Base | |
| 12 Apex | |
| Crus | |
| 13 Medial condyle of tibia | |
| 14 Tibial tuberosity | |
| 15 Body of tibia | |
| 16 Medial malleolus | |
| Pes | |
| 17 Calcaneal tuber | |
| 18 Calcaneus | |
| 19 Talus | |
| 20 Centroquartal bone | |



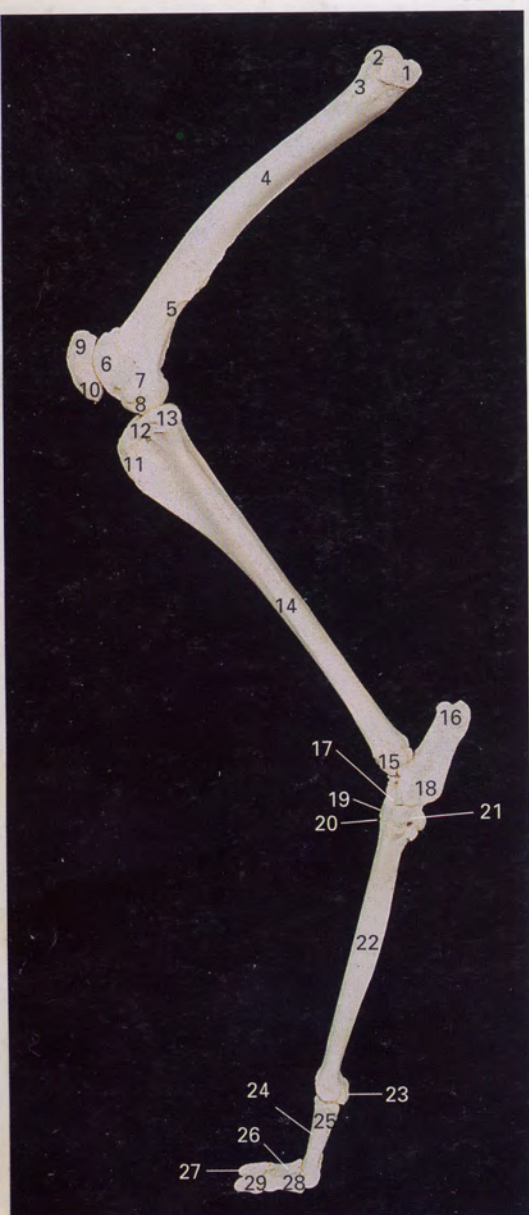
198. Left tarsal bones of sheep, dorsal view.

- | | |
|-------------------|---|
| 1 Calcaneal tuber | 6 Centroquartal bone |
| 2 Calcaneus | 7 Second and third tarsal bones (fused) |
| 3 Trochlea | |
| 4 Talus | |
| 5 Tarsal sinus | |



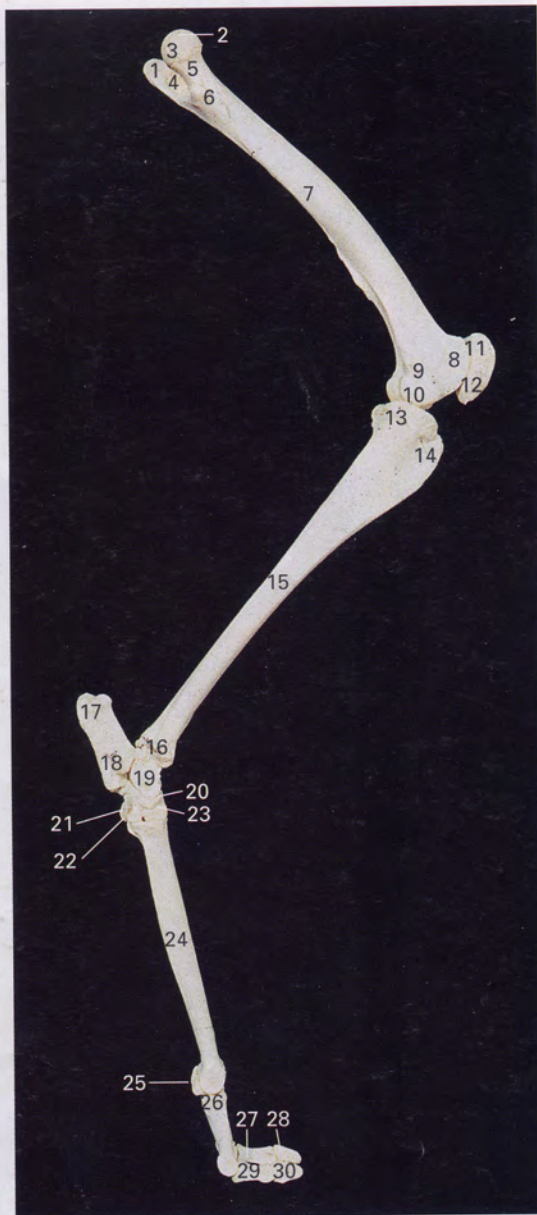
199. Left tarsal bones of sheep, plantar view.

- | | |
|----------------------|---|
| 1 Calcaneal tuber | 7 Centroquartal bone |
| 2 Calcaneus | 8 Second and third tarsal bones (fused) |
| 3 Sustentaculum tali | 9 First tarsal bone |
| 4 Trochlea | |
| 5 Talus | |
| 6 Tarsal sinus | |



200 Skeleton of left pelvic limb of llama, lateral view.

Femur	17 Talus
1 Head	18 Calcaneus
2 Greater trochanter	19 Central tarsal bone
3 Third trochanter	20 Second and third tarsal bones (fused)
4 Body	21 Fourth tarsal bone
5 Supracondyloid fossa	22 Metatarsals III and IV (fused)
6 Trochlea	23 Proximal sesamoid bone, digit IV
7 Lateral epicondyle	24 Proximal phalanx, digit III
8 Lateral condyle	25 Proximal phalanx, digit V
Patella	26 Middle phalanx, digit III
9 Base	27 Distal phalanx, digit III
10 Apex	28 Middle phalanx, digit IV
Crus	29 Distal phalanx, digit IV
11 Tibial tuberosity	
12 Lateral condyle	
13 Head of fibula	
14 Body of tibia	
15 Lateral malleolus	
Pes	
16 Calcaneal tuber	



201. Skeleton of left pelvic limb of llama, medial view.

Femur	Pes
1 Greater trochanter	17 Calcaneal tuber
2 Fovea	18 Calcaneus
3 Head	19 Talus
4 Trochanteric fossa	20 Central tarsal bone
5 Neck	21 Fourth tarsal bone
6 Lesser trochanter	22 First tarsal bone
7 Body	23 Second and third tarsal bones (fused)
8 Trochlea	24 Metatarsals III and IV (fused)
9 Medial epicondyle	25 Proximal sesamoid bone, digit III
10 Medial condyle	26 Proximal phalanx, digit III
Patella	27 Middle phalanx, digit IV
11 Base	28 Distal phalanx, digit IV
12 Apex	29 Middle phalanx, digit III
Crus	30 Distal phalanx, digit III
13 Medial condyle of tibia	
14 Tibial tuberosity	
15 Body of tibia	
16 Medial malleolus	



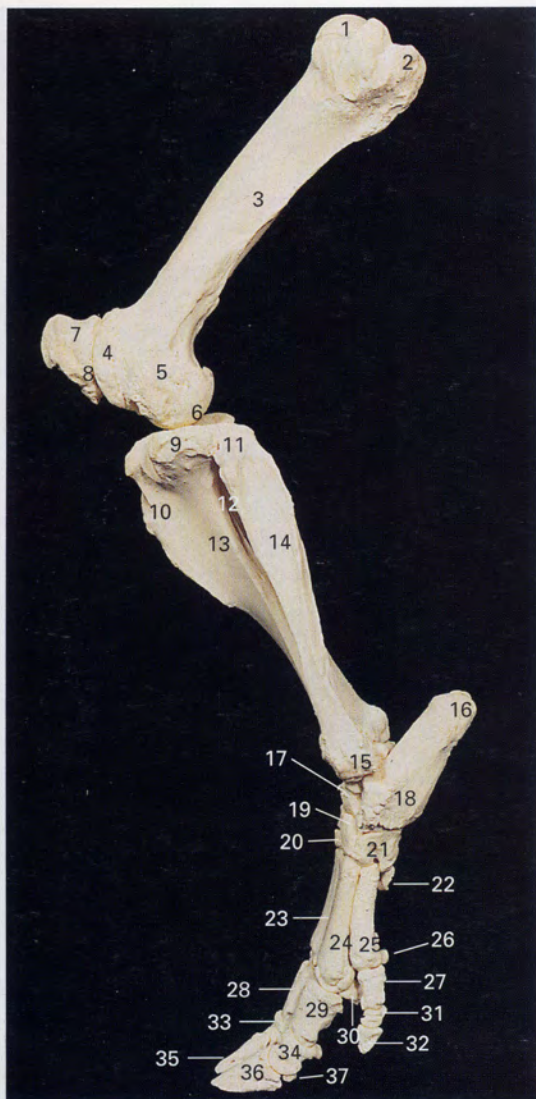
202. Left tarsal bones of llama, dorsal view.

1 Calcaneal tuber	6 Second and third tarsal bones (fused)
2 Trochlea	7 Fourth tarsal bone
3 Talus	
4 Calcaneus	
5 Central tarsal bone	



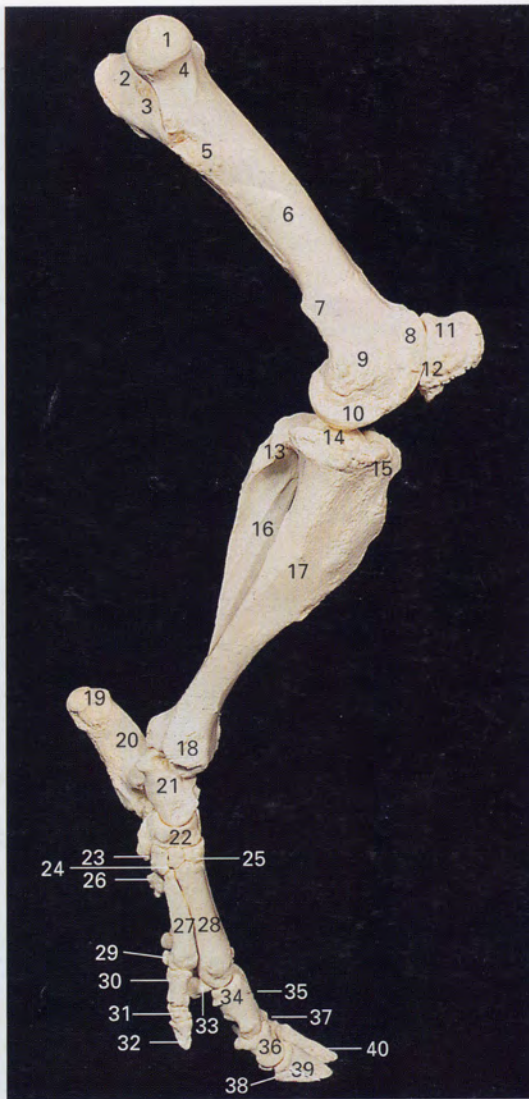
203. Left tarsal bones of llama, plantar view.

1 Calcaneal tuber	6 Talus
2 Trochlea	7 Fourth tarsal bone
3 Calcaneus	8 Central tarsal bone
4 Groove for tendon of M. flexor digitorum profundus	9 First tarsal bone
5 Sustentaculum tali	10 Second and third tarsal bones (fused)



204. Skeleton of left pelvic limb of pig, lateral view.

- | | |
|----------------------------|-------------------------------------|
| Femur | 22 Metatarsal sesamoid bone |
| 1 Head | 23 Metatarsal III |
| 2 Greater trochanter | 24 Metatarsal IV |
| 3 Body | 25 Metatarsal V |
| 4 Trochlea | 26 Proximal sesamoid bone, digit V |
| 5 Lateral epicondyle | 27 Proximal phalanx, digit V |
| 6 Lateral condyle | 28 Proximal phalanx, digit III |
| Patella | 29 Proximal phalanx, digit IV |
| 7 Base | 30 Proximal sesamoid bone, digit IV |
| 8 Apex | 31 Middle phalanx, digit V |
| Crus | 32 Distal phalanx, digit V |
| 9 Lateral condyle of tibia | 33 Middle phalanx, digit III |
| 10 Tibial tuberosity | 34 Middle phalanx, digit IV |
| 11 Head of fibula | 35 Distal phalanx, digit III |
| 12 Interosseous space | 36 Distal phalanx, digit IV |
| 13 Body of tibia | 37 Distal sesamoid bone, digit IV |
| 14 Body of fibula | |
| 15 Lateral malleolus | |
| Pes | |
| 16 Calcaneal tuber | |
| 17 Talus | |
| 18 Calcaneus | |
| 19 Central tarsal bone | |
| 20 Third tarsal bone | |
| 21 Fourth tarsal bone | |



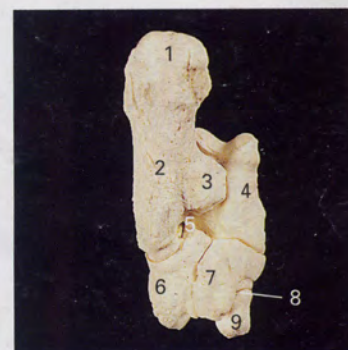
205. Skeleton of left pelvic limb of pig, medial view.

- | | |
|-----------------------------------|--------------------------------------|
| Femur | 22 Central tarsal bone |
| 1 Head | 23 First tarsal bone |
| 2 Greater trochanter | 24 Second tarsal bone |
| 3 Trochanteric fossa | 25 Third tarsal bone |
| 4 Neck | 26 Metatarsal sesamoid bone |
| 5 Lesser trochanter | 27 Metatarsal II |
| 6 Body | 28 Metatarsal III |
| 7 Medial supracondylar tuberosity | 29 Proximal sesamoid bone, digit II |
| 8 Trochlea | 30 Proximal phalanx, digit II |
| 9 Medial epicondyle | 31 Middle phalanx, digit II |
| 10 Medial condyle | 32 Distal phalanx, digit II |
| Patella | 33 Proximal sesamoid bone, digit III |
| 11 Base | 34 Proximal phalanx, digit III |
| 12 Apex | 35 Proximal phalanx, digit IV |
| Crus | 36 Middle phalanx, digit III |
| 13 Head of fibula | 37 Middle phalanx, digit IV |
| 14 Medial condyle of tibia | 38 Distal sesamoid bone, digit III |
| 15 Tibial tuberosity | 39 Distal phalanx, digit III |
| 16 Body of fibula | 40 Distal phalanx, digit IV |
| 17 Body of tibia | |
| 18 Medial malleolus | |
| Pes | |
| 19 Calcaneal tuber | |
| 20 Calcaneus | |
| 21 Talus | |



206. Left tarsal bones of pig, dorsal view.

- | | |
|--|-----------------------|
| 1 Calcaneal tuber | 5 Talus |
| 2 Trochlea | 6 Tarsal sinus |
| 3 Groove for tendon of M. flexor digitorum profundus | 7 Central tarsal bone |
| 4 Calcaneus | 8 Third tarsal bone |
| | 9 Fourth tarsal bone |



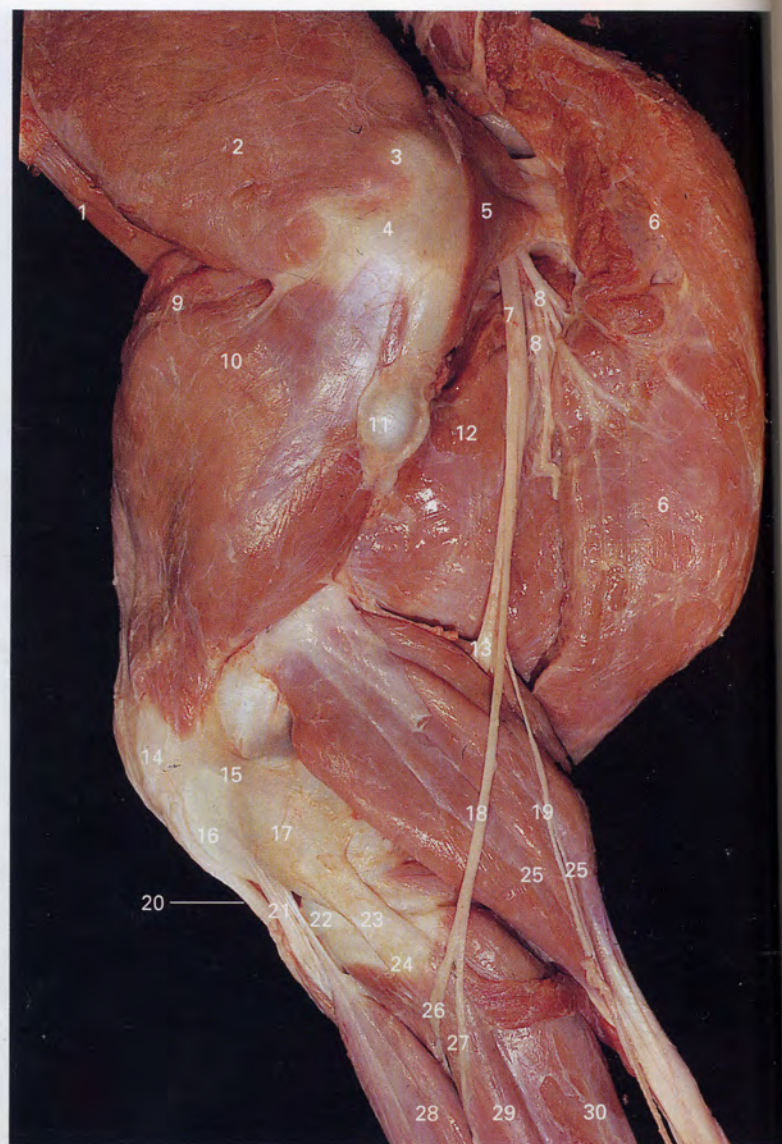
207. Left tarsal bones of pig, plantar view.

- | | |
|----------------------|-----------------------|
| 1 Calcaneal tuber | 7 Central tarsal bone |
| 2 Calcaneus | 8 Second tarsal bone |
| 3 Sustentaculum tali | 9 First tarsal bone |
| 4 Talus | |
| 5 Tarsal sinus | |
| 6 Fourth tarsal bone | |



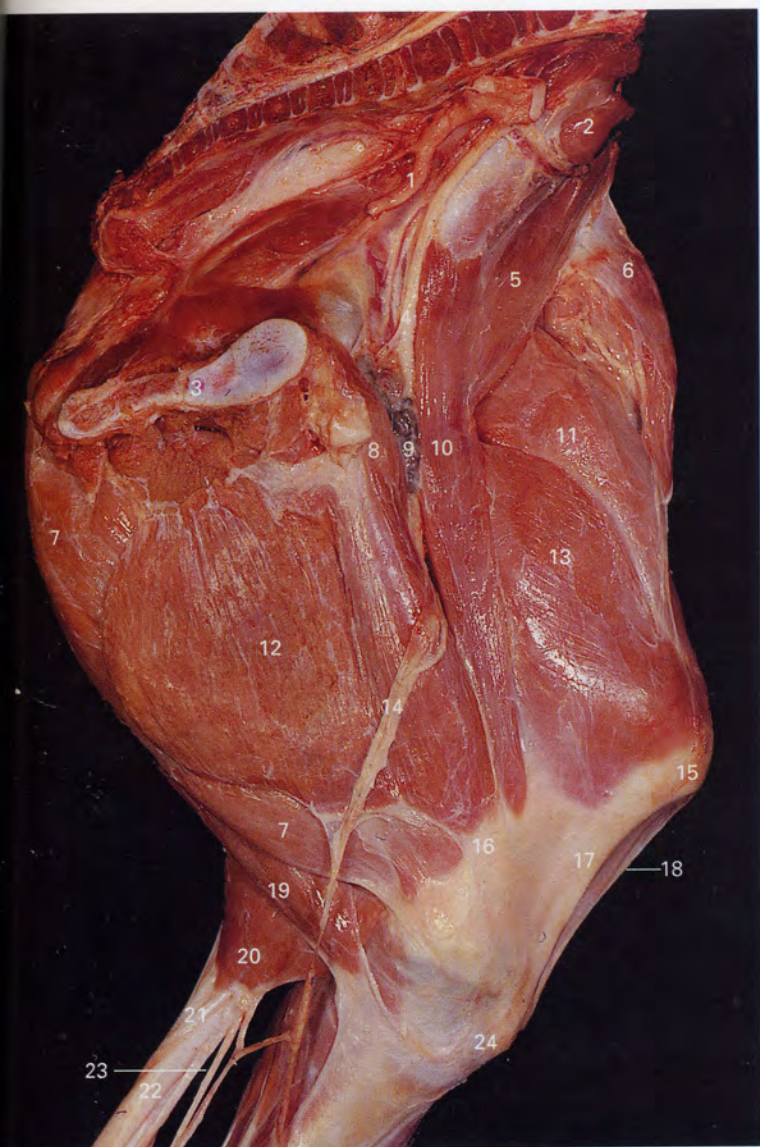
208. Superficial dissection of left pelvis and thigh of foal, lateral view. The fascia lata has been removed to show M. rectus femoris and M. vastus lateralis.

- | | |
|----------------------------|------------------------------------|
| 1 M. tensor fascia lata | 10 M. gastrocnemius, lateral head |
| 2 M. gluteus superficialis | 11 M. soleus |
| 3 M. biceps femoris | 12 M. extensor digitorum longus |
| 4 M. semitendinosus | 13 M. extensor digitorum lateralis |
| 5 M. semimembranosus | 14 M. flexor digitorum profundus |
| 6 M. rectus femoris | |
| 7 M. vastus lateralis | |
| 8 Patella | |
| 9 Lateral condyle of tibia | |



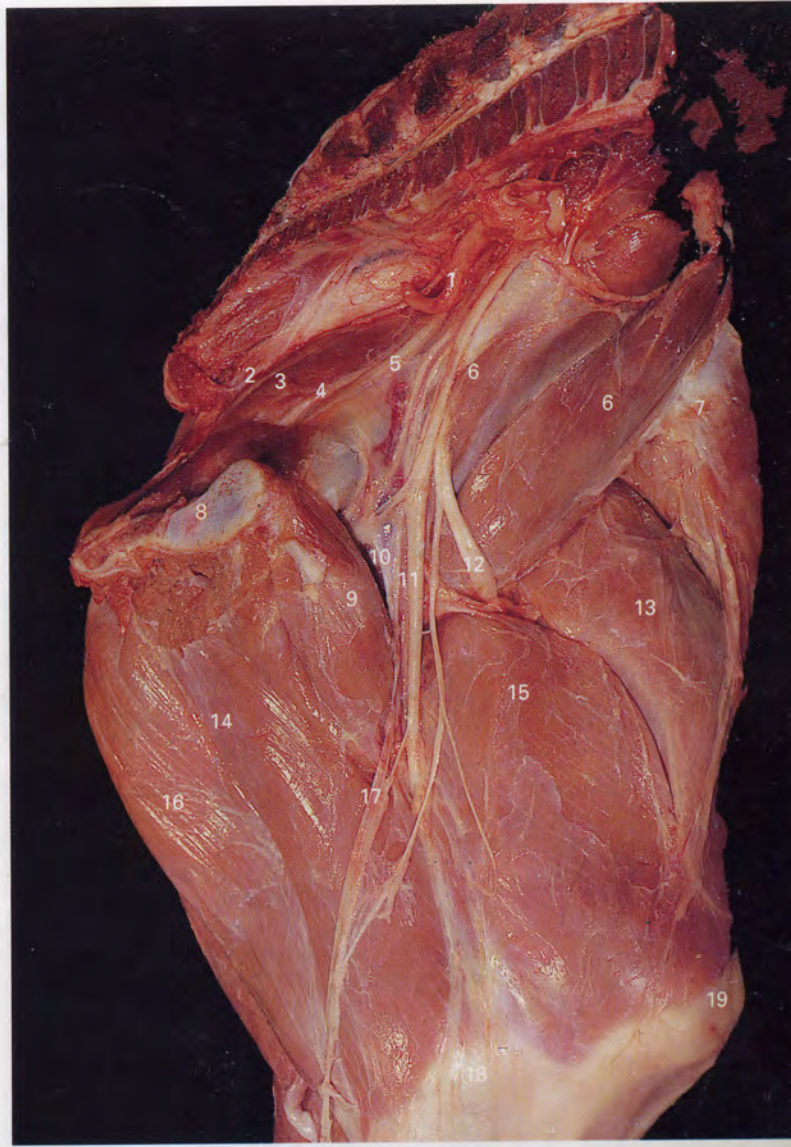
209. Deep dissection of left pelvis and thigh of foal, lateral view. The M. tensor fascia lata, M. gluteus superficialis, M. biceps femoris and M. semitendinosus have been removed.

- | | |
|-------------------------------------|---|
| 1 M. iliacus | 19 Caudal cutaneous sural nerve |
| 2 M. gluteus medius | 20 Middle patellar ligament |
| 3 Trochanteric bursa | 21 Lateral patellar ligament |
| 4 Greater trochanter | 22 Lateral meniscus |
| 5 M. piriformis | 23 Lateral collateral femorotibial ligament |
| 6 M. semimembranosus | 24 Lateral condyle of tibia |
| 7 Ischiatic nerve | 25 M. gastrocnemius, lateral head |
| 8 Muscular branches of tibial nerve | 26 Deep peroneal (fibular) nerve |
| 9 M. rectus femoris | 27 Superficial peroneal (fibular) nerve |
| 10 M. vastus lateralis | 28 M. extensor digitorum longus |
| 11 Third trochanter | 29 M. extensor digitorum lateralis |
| 12 M. adductor | 30 M. flexor digitorum profundus |
| 13 Tibial nerve | |
| 14 Patella | |
| 15 Lateral femoropatellar ligament | |
| 16 Trochlea of femur | |
| 17 Lateral epicondyle of femur | |
| 18 Common peroneal (fibular) nerve | |



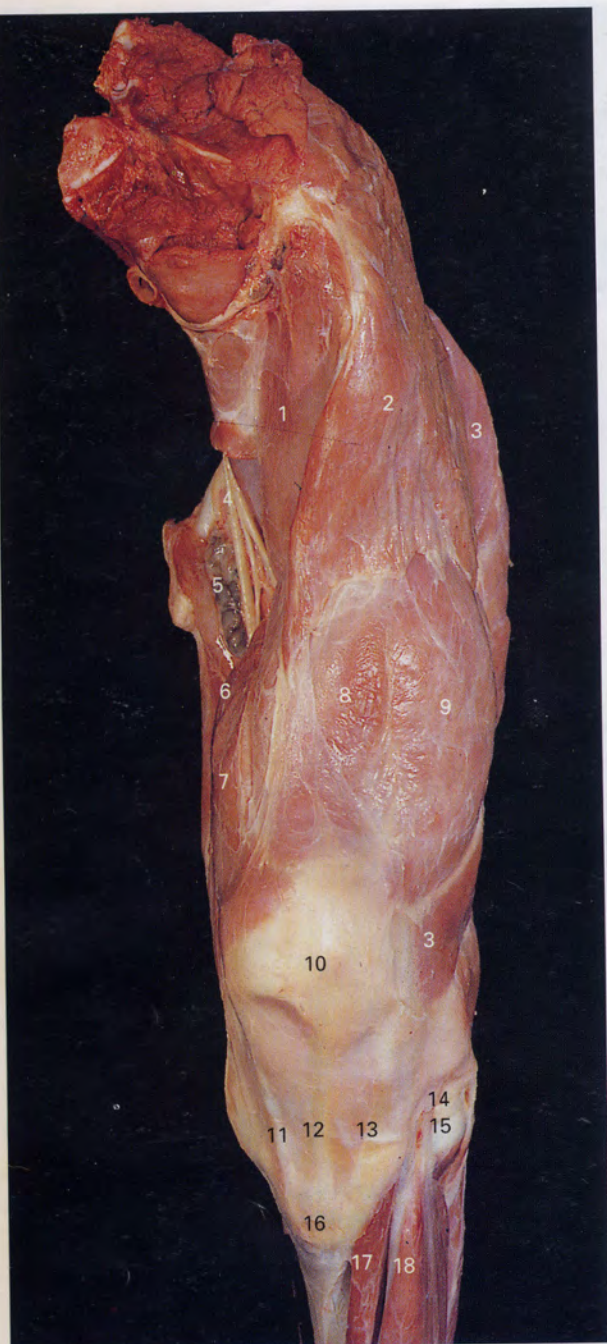
210. Superficial dissection of left pelvis and thigh of foal, medial view. The trunk has been sectioned in a median plane, and the viscera have been removed.

- | | |
|--------------------------------|--|
| 1 Umbilical artery (cut) | 15 Patella |
| 2 M. psoas minor | 16 Medial epicondyle of femur |
| 3 Pubis | 17 Medial patellar ligament |
| 4 Femoral nerve | 18 Middle patellar ligament |
| 5 M. iliopsoas | 19 M. semitendinosus |
| 6 M. tensor fascia lata | 20 M. gastrocnemius, medial head |
| 7 M. semimembranosus | 21 Common calcaneal tendon |
| 8 M. pectineus | 22 Tendon of M. flexor digitorum superficialis |
| 9 Deep inguinal lymph nodes | 23 Tibial nerve |
| 10 M. sartorius | 24 Tibial tuberosity |
| 11 M. rectus femoris | |
| 12 M. gracilis | |
| 13 M. vastus medialis | |
| 14 Saphenous vessels and nerve | |



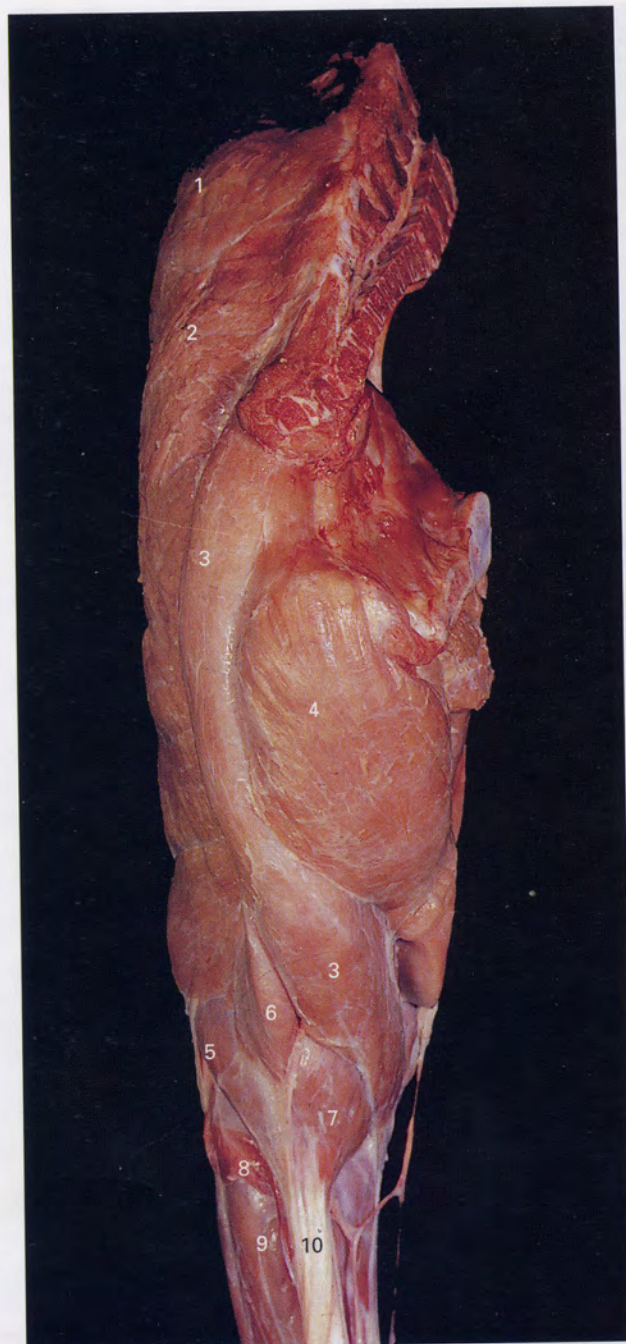
211. Deep dissection of left pelvis and thigh of foal, medial view. The trunk has been sectioned in a median plane and the viscera have been removed. The deep inguinal lymph nodes, M. gracilis and M. sartorius have been removed.

- | | |
|--------------------------|-------------------------------|
| 1 Umbilical artery (cut) | 11 Saphenous nerve |
| 2 Internal iliac artery | 12 Femoral nerve |
| 3 M. obturator internus | 13 M. rectus femoris |
| 4 Obturator artery | 14 M. adductor |
| 5 Obturator nerve | 15 M. vastus medialis |
| 6 M. iliopsoas | 16 M. semimembranosus |
| 7 M. tensor fascia lata | 17 Saphenous vessels |
| 8 Pubis | 18 Medial epicondyle of femur |
| 9 M. pectineus | 19 Patella |
| 10 Femoral vessels | |



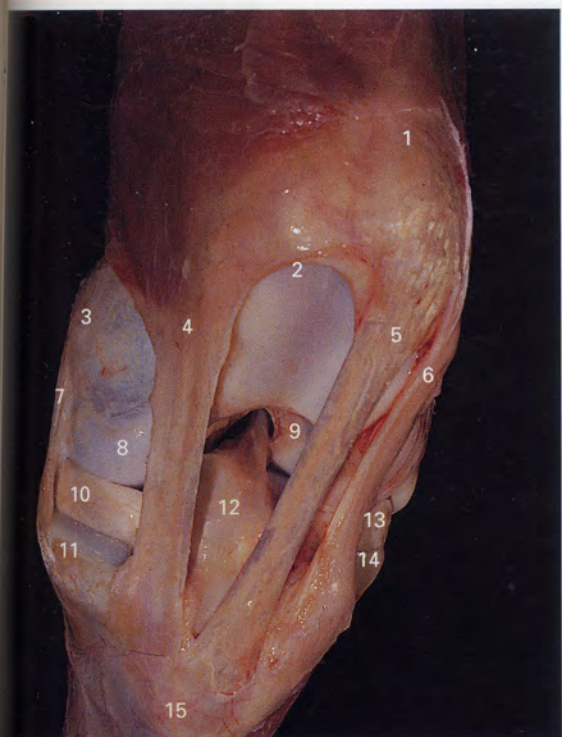
212. Superficial dissection of left pelvis and thigh of foal, cranial view. The trunk has been sectioned in a median plane and the viscera have been removed. The fascia lata has been removed to expose M. rectus femoris and M. vastus lateralis.

- | | |
|-----------------------------|---------------------------------|
| 1 M. iliopsoas | 10 Patella |
| 2 M. tensor fascia lata | 11 Medial patellar ligament |
| 3 M. biceps femoris | 12 Middle patellar ligament |
| 4 Femoral nerve | 13 Lateral patellar ligament |
| 5 Deep inguinal lymph nodes | 14 Lateral meniscus |
| 6 M. sartorius | 15 Lateral condyle of tibia |
| 7 M. vastus medialis | 16 Tibial tuberosity |
| 8 M. rectus femoris | 17 M. tibialis cranialis |
| 9 M. vastus lateralis | 18 M. extensor digitorum longus |



213. Superficial dissection of left pelvis and thigh of foal, caudal view. The trunk has been sectioned in a median plane, and the viscera have been removed.

- | | |
|-------------------------------------|---------------------------------|
| 1 M. gluteus superficialis | 7 M. gastrocnemius, medial head |
| 2 M. biceps femoris | 8 M. soleus |
| 3 M. semitendinosus | 9 M. flexor digitorum longus |
| 4 M. semimembranosus | 10 Common calcaneal tendon |
| 5 M. gastrocnemius, lateral head | |
| 6 M. flexor digitorum superficialis | |



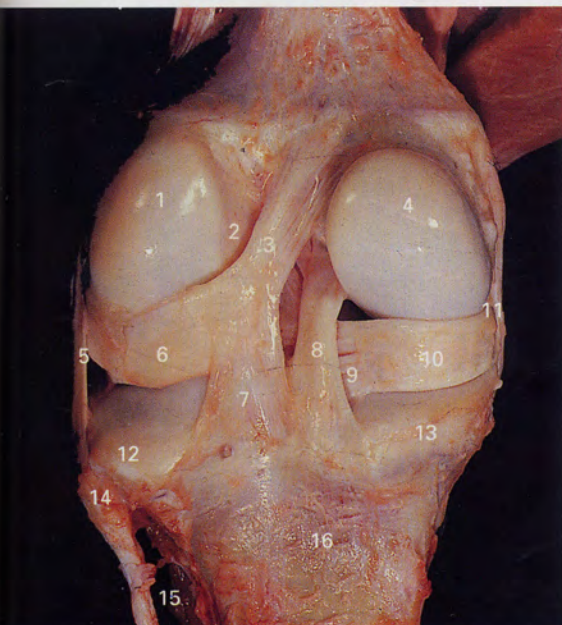
214. Deep dissection of left femorotibial joint of horse, craniomedial view. The joint is partially flexed.

- | | |
|---|---------------------------------|
| 1 Patella | 8 Medial condyle of femur |
| 2 Medial trochlear ridge | 9 Intercondyloid fossa of femur |
| 3 Medial epicondyle of femur | 10 Medial meniscus |
| 4 Medial patellar ligament | 11 Medial condyle of tibia |
| 5 Middle patellar ligament | 12 Cranial cruciate ligament |
| 6 Lateral patellar ligament | 13 Lateral meniscus |
| 7 Medial collateral femorotibial ligament | 14 Lateral condyle of tibia |
| | 15 Tibial tuberosity |



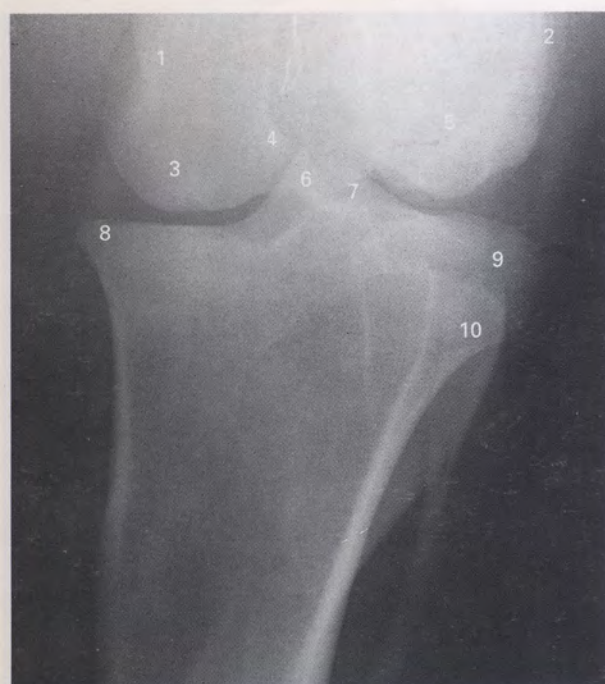
215. Deep dissection of left femorotibial joint of horse, cranial view. The joint is extended with the medial femoral condyle engaged between the middle and medial patellar ligaments.

- | | |
|---|--|
| 1 Patella | 10 Tendon of M. peroneus (fibularis) tertius |
| 2 Medial trochlear ridge of femur | 11 Lateral collateral femorotibial ligament |
| 3 Lateral trochlear ridge of femur | 12 Medial condyle of tibia |
| 4 Medial collateral femorotibial ligament | 13 Lateral condyle of tibia |
| 5 Medial meniscus | 14 Tibial tuberosity |
| 6 Medial patellar ligament | 15 M. tibialis cranialis |
| 7 Middle patellar ligament | 16 M. extensor digitorum longus |
| 8 Lateral meniscus | 17 M. extensor digitorum lateralis |
| 9 Lateral patellar ligament | |



216. Deep dissection of left femorotibial joint of horse, caudal view.

- | | |
|--|--|
| 1 Lateral condyle of femur | 9 Caudal ligament of medial meniscus |
| 2 Cranial cruciate ligament | 10 Medial meniscus |
| 3 Meniscomfemoral ligament of lateral meniscus | 11 Medial collateral femorotibial ligament |
| 4 Medial condyle of femur | 12 Lateral condyle of tibia |
| 5 Lateral collateral femorotibial ligament | 13 Medial condyle of tibia |
| 6 Lateral meniscus | 14 Head of fibula |
| 7 Caudal ligament of lateral meniscus | 15 Interosseous space |
| 8 Caudal cruciate ligament | 16 Tibia |



217. Radiograph of left genual joint of horse, craniocaudal projection.

Femur

- 1 Medial epicondyle
- 2 Lateral epicondyle
- 3 Medial condyle
- 4 Intercondyloid fossa
- 5 Lateral condyle

Tibia

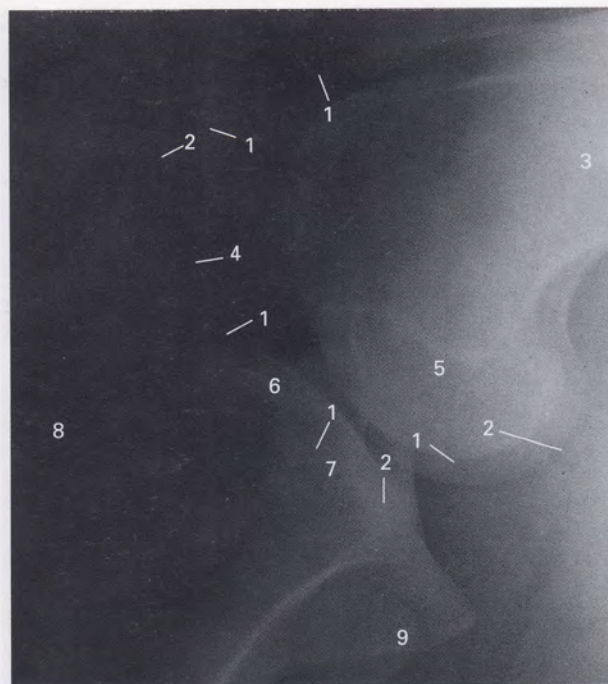
- 6 Medial intercondylar tubercle

- 7 Lateral intercondylar tubercle

- 8 Medial condyle
- 9 Lateral condyle

Fibula

- 10 Head of fibula



218. Radiograph of left genual joint of horse, lateromedial projection.

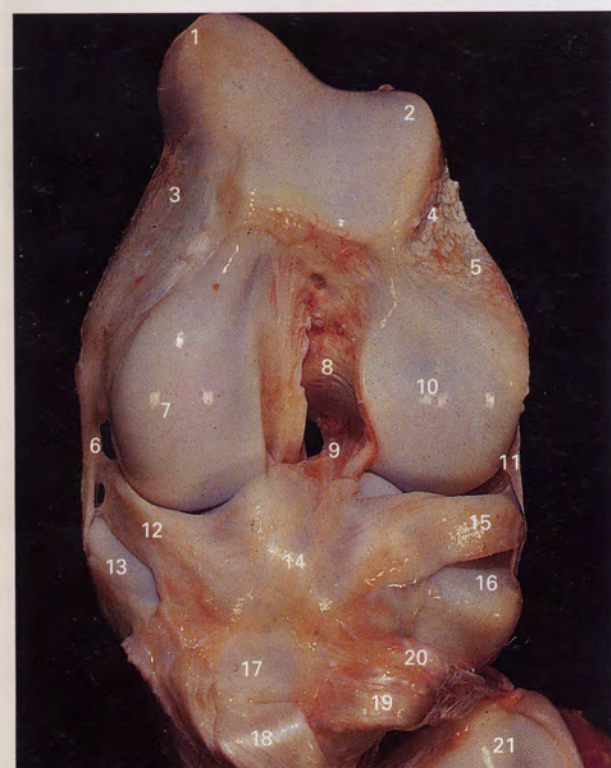
Femur

- 1 Lateral ridge
- 2 Medial ridge
- 3 Supracondyloid fossa
- 4 Trochlear groove
- 5 Intercondylar fossa
- 6 Medial intercondylar tubercle

- 7 Lateral intercondylar tubercle

Tibia

- 8 Tibial tuberosity
- 9 Lateral condyle



219. Deep dissection of left genual joint of horse, cranial view. The cranial cruciate ligament has been removed, and the patellar ligaments have been cut and reflected distally. The joint is fully flexed to show the distal extremity of the femur.

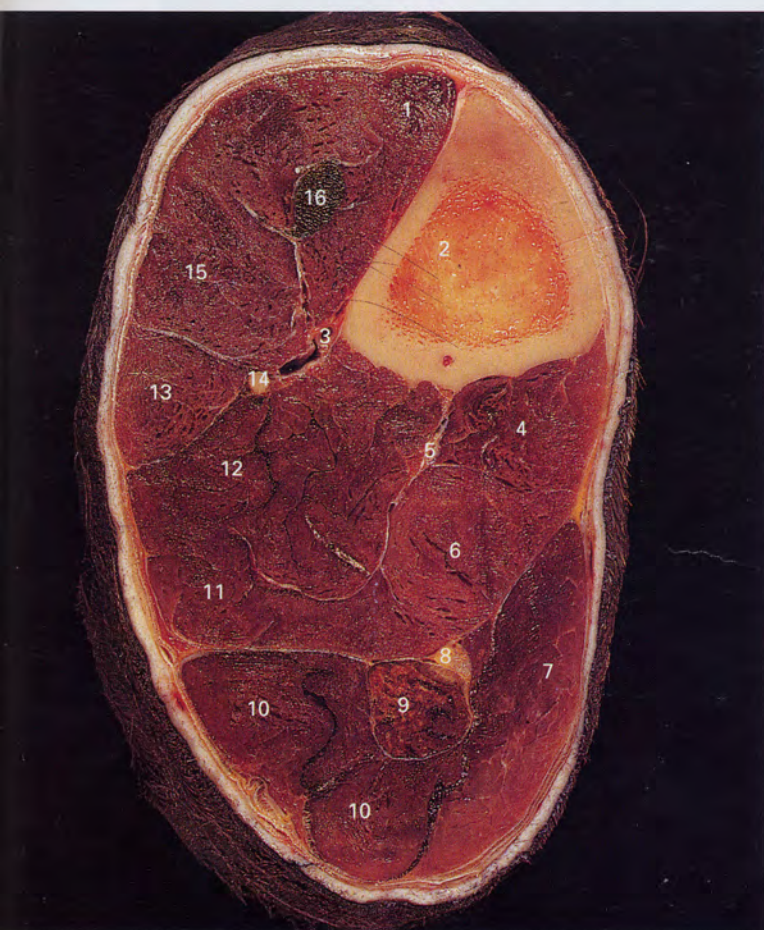
- 1 Medial trochlear ridge of femur
- 2 Lateral trochlear ridge of femur
- 3 Medial epicondyle
- 4 Extensor fossa
- 5 Lateral epicondyle
- 6 Medial collateral femorotibial ligament
- 7 Medial condyle of femur
- 8 Intercondyloid fossa
- 9 Caudal cruciate ligament
- 10 Lateral condyle of femur
- 11 Lateral collateral femorotibial ligament

- 12 Medial meniscus
- 13 Medial condyle of tibia
- 14 Cranial ligaments of menisci
- 15 Lateral meniscus
- 16 Lateral condyle of tibia
- 17 Tibial tuberosity
- 18 Medial patellar ligament (reflected)
- 19 Middle patellar ligament (reflected)
- 20 Lateral patellar ligament (reflected)
- 21 Articular face of patella



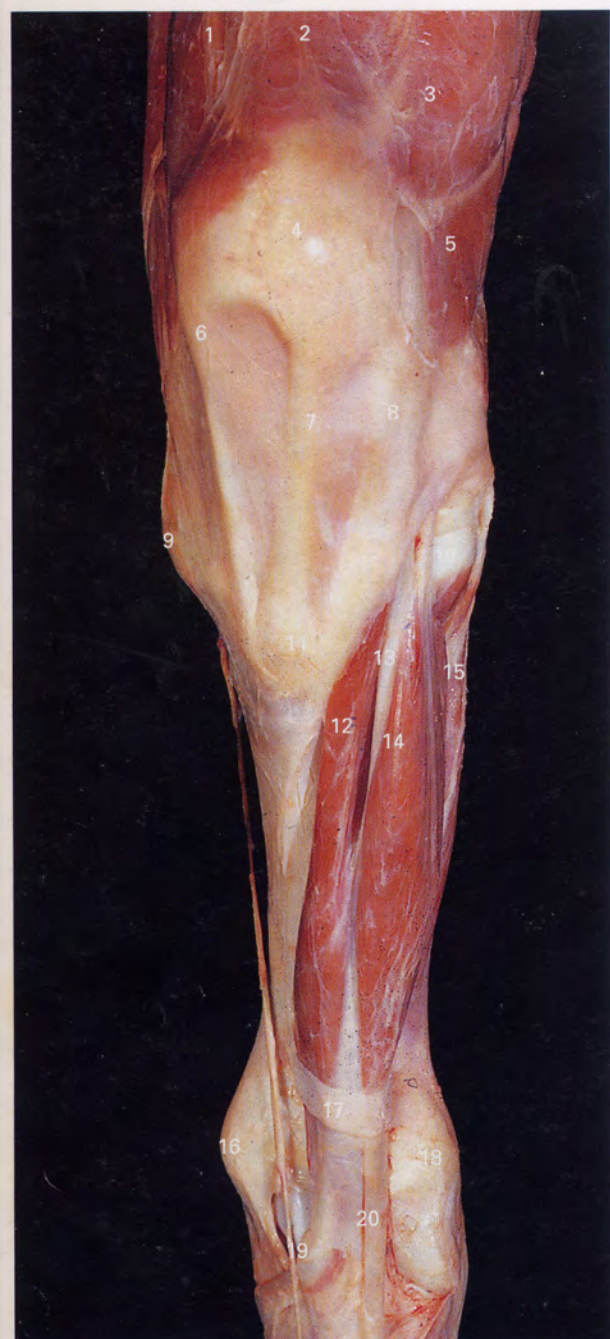
220. Left tibia and menisci of horse, proximal view.

- | | |
|--|---|
| 1 Lateral patellar ligament | 9 Spine of tibia |
| 2 Middle patellar ligament | 10 Medial condyle of tibia |
| 3 Medial patellar ligament | 11 Medial meniscus |
| 4 Cranial ligaments of menisci | 12 Medial collateral femorotibial ligament |
| 5 Lateral collateral femorotibial ligament | 13 Caudal cruciate ligament |
| 6 Lateral meniscus | 14 Caudal ligament of medial meniscus |
| 7 Lateral condyle of tibia | 15 Meniscomfemoral ligament of lateral meniscus |
| 8 Cranial cruciate ligament | |



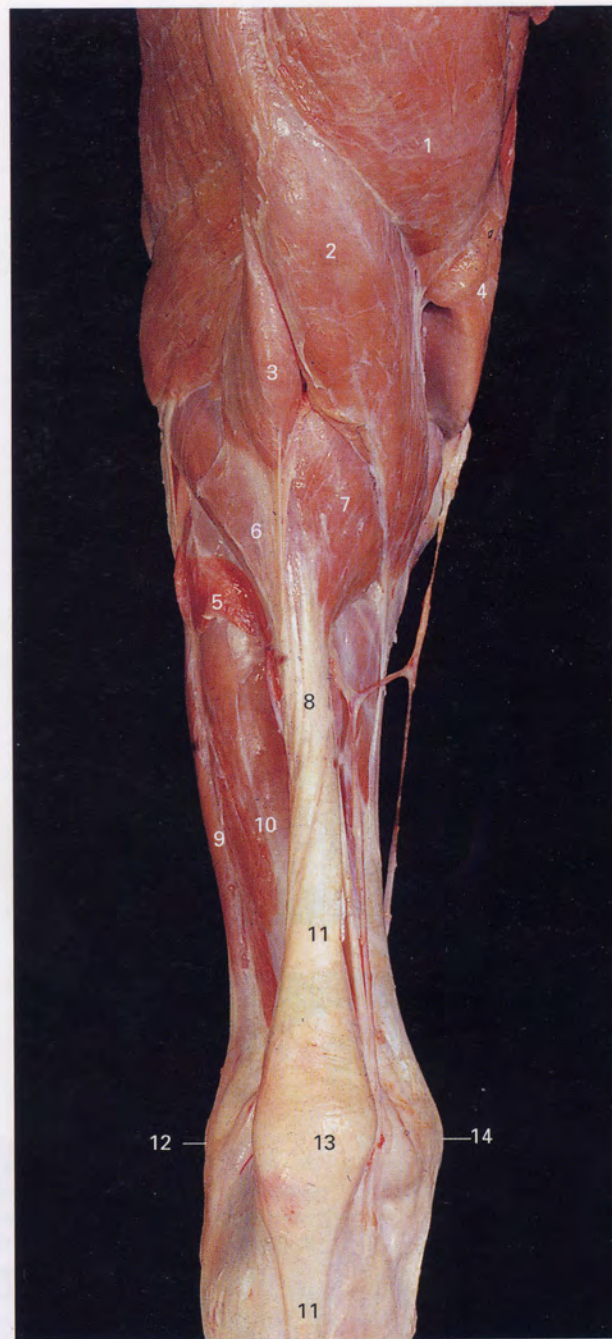
221. Transverse section through left crus of horse at the level of the junction between the proximal and middle third, distal view.

- | | |
|-------------------------------------|------------------------------------|
| 1 M. tibialis cranialis | 10 M. gastrocnemius, lateral head |
| 2 Tibia | 11 M. tibialis caudalis |
| 3 Cranial tibial vessels | 12 M. flexor digitorum profundus |
| 4 M. popliteus | 13 M. extensor digitorum lateralis |
| 5 Caudal tibial vessels | 14 Fibula |
| 6 M. flexor digitorum longus | 15 M. extensor digitorum longus |
| 7 M. gastrocnemius, medial head | 16 M. peroneus (fibularis) tertius |
| 8 Tibial nerve | |
| 9 M. flexor digitorum superficialis | |



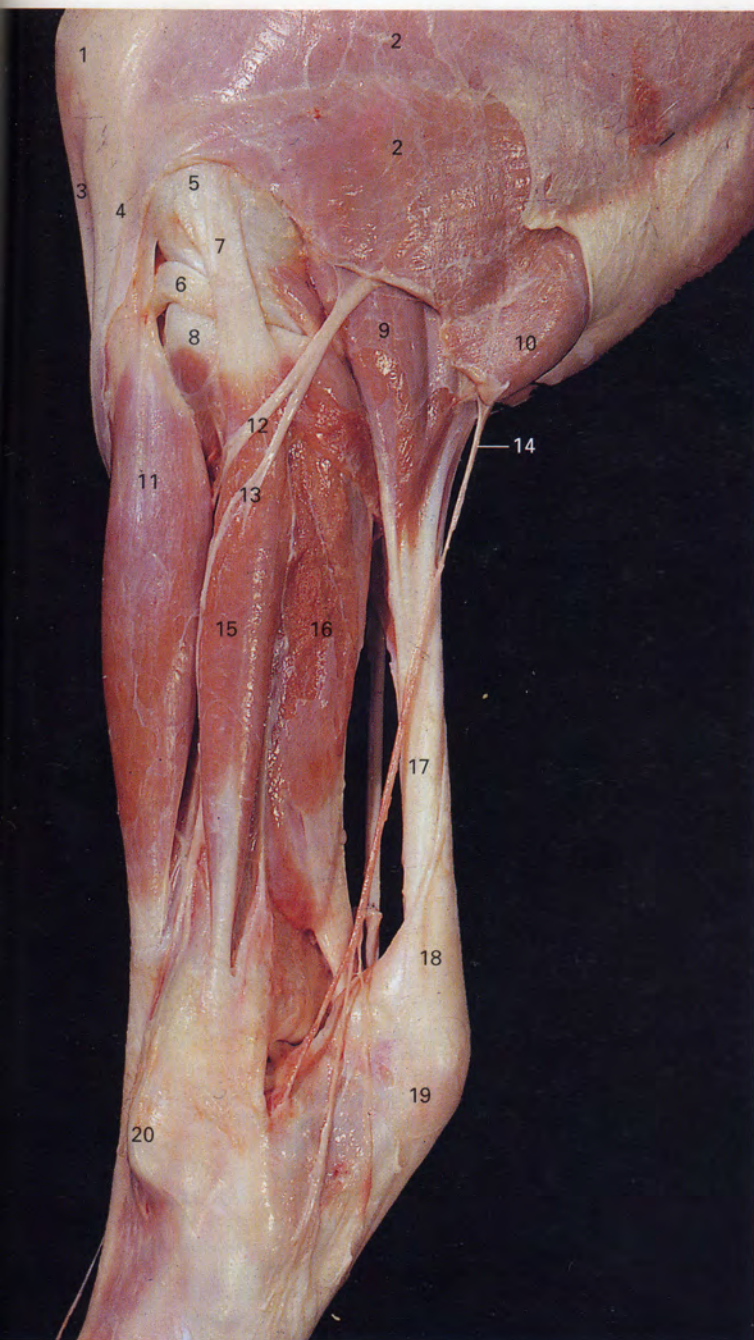
222. Superficial dissection of left crus of horse, cranial view.

- | | |
|--|---|
| 1 M. vastus medialis | 14 M. extensor digitorum longus |
| 2 M. rectus femoris | 15 M. extensor digitorum lateralis |
| 3 M. vastus lateralis | 16 Medial malleolus |
| 4 Patella | 17 Proximal extensor retinaculum of tarsus |
| 5 M. biceps femoris | 18 Lateral malleolus |
| 6 Medial patellar ligament | 19 Medial tendon of M. tibialis cranialis (cunean tendon) |
| 7 Middle patellar ligament | 20 Tendon of M. extensor digitorum longus |
| 8 Lateral patellar ligament | |
| 9 Medial condyle of tibia | |
| 10 Lateral condyle of tibia | |
| 11 Tibial tuberosity | |
| 12 M. tibialis cranialis | |
| 13 Tendon of M. peroneus (fibularis) tertius | |



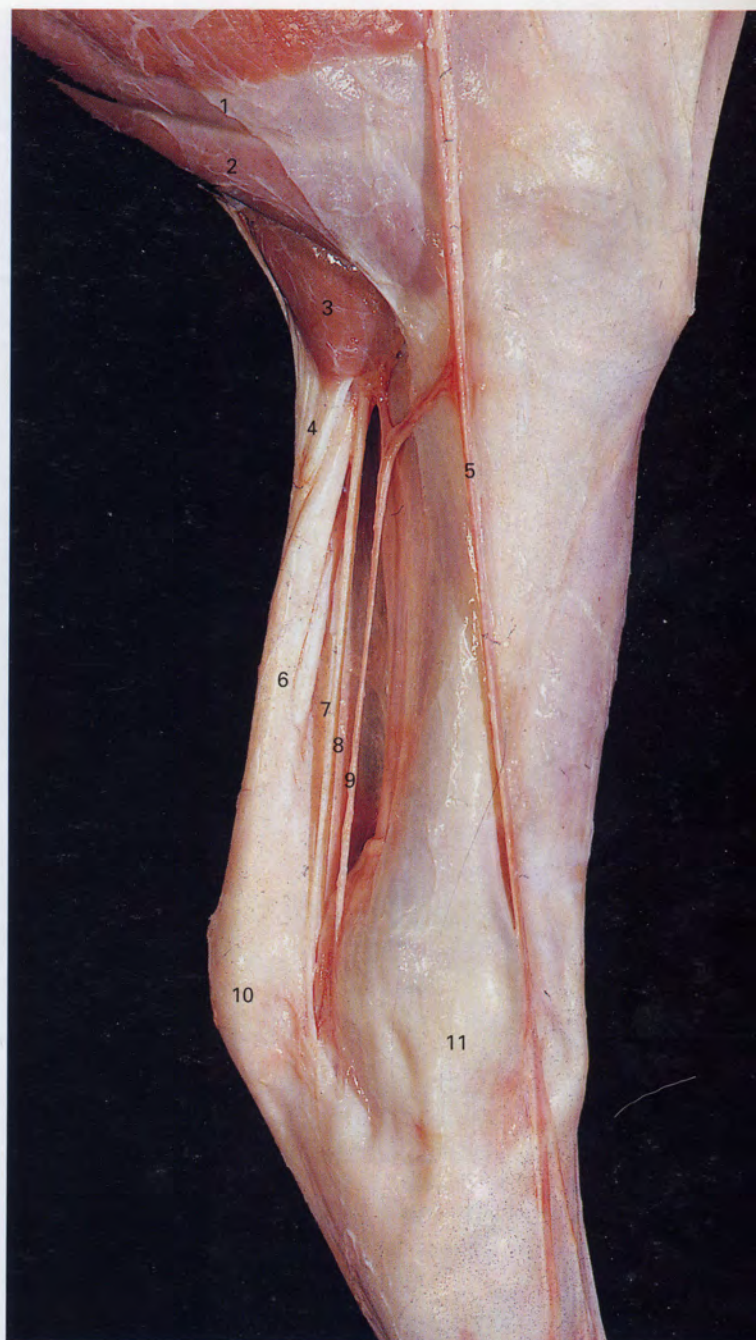
223. Superficial dissection of left crus of horse, caudal view.

- | | |
|----------------------------------|--|
| 1 M. semimembranosus | 9 M. extensor digitorum lateralis |
| 2 M. semitendinosus | 10 M. flexor digitorum profundus |
| 3 M. biceps femoris | 11 Tendon of M. flexor digitorum superficialis |
| 4 M. gracilis | 12 Lateral malleolus |
| 5 M. soleus | 13 Calcaneal tuber |
| 6 M. gastrocnemius, lateral head | 14 Medial malleolus |
| 7 M. gastrocnemius, medial head | |
| 8 Common calcaneal tendon | |



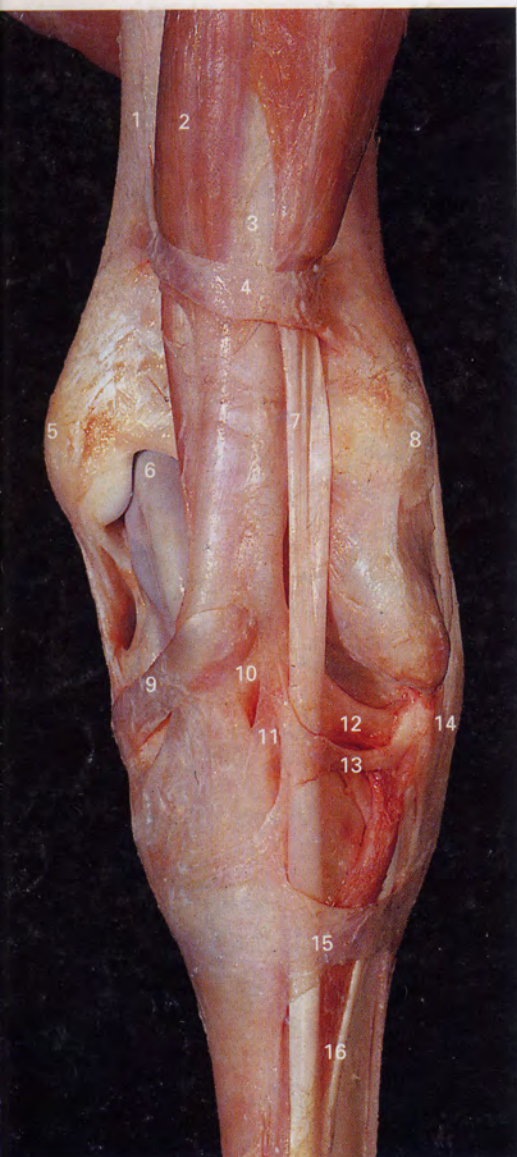
224. Superficial dissection of left crus of horse, lateral view.

- | | |
|--|--|
| 1 Patella | 13 Superficial peroneal (fibular) nerve |
| 2 M. biceps femoris | 14 Caudal cutaneous sural nerve |
| 3 Middle patellar ligament | 15 M. extensor digitorum lateralis |
| 4 Lateral patellar ligament | 16 M. flexor digitorum profundus |
| 5 Lateral epicondyle of femur | 17 Common calcanean tendon |
| 6 Lateral meniscus | 18 Tendon of M. flexor digitorum superficialis |
| 7 Lateral collateral femorotibial ligament | 19 Calcaneal tuber |
| 8 Lateral condyle of tibia | 20 Lateral malleolus |
| 9 M. gastrocnemius, lateral head | |
| 10 M. semitendinosus | |
| 11 M. extensor digitorum longus | |
| 12 Deep peroneal (fibular) nerve | |



225. Superficial dissection of left crus of horse, medial view.

- | | |
|---|---|
| 1 M. semimembranosus | 6 Tendon of M. flexor digitorum superficialis |
| 2 M. semitendinosus | 7 Tibial nerve |
| 3 M. gastrocnemius, medial head | 8 Saphenous artery |
| 4 Common calcanean tendon | 9 Medial saphenous vein, caudal branch |
| 5 Medial saphenous vein, cranial branch | 10 Calcaneal tuber |
| | 11 Medial malleolus |



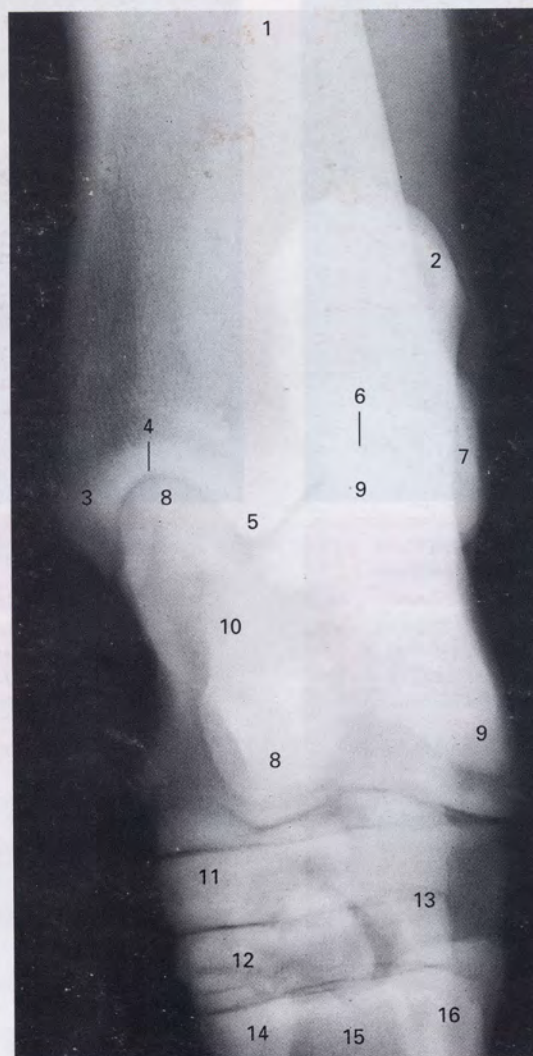
226. Superficial dissection of left tarsus of horse, dorsal view.

- | | |
|--|--|
| 1 Tibia | 10 Dorsal tendon of M. peroneus (fibularis) tertius |
| 2 M. tibialis cranialis | 11 Dorsal tendon of M. tibialis cranialis |
| 3 Tendon of M. peroneus (fibularis) tertius | 12 Lateral tendon of M. peroneus (fibularis) tertius |
| 4 Proximal extensor retinaculum | 13 Middle extensor retinaculum |
| 5 Medial malleolus | 14 Long lateral collateral tarsal ligament |
| 6 Trochlea of talus | 15 Distal extensor retinaculum |
| 7 Tendon of M. extensor digitorum longus | 16 Tendon of M. extensor digitorum lateralis |
| 8 Lateral malleolus | |
| 9 Medial tendon of M. tibialis cranialis (cunean tendon) | |



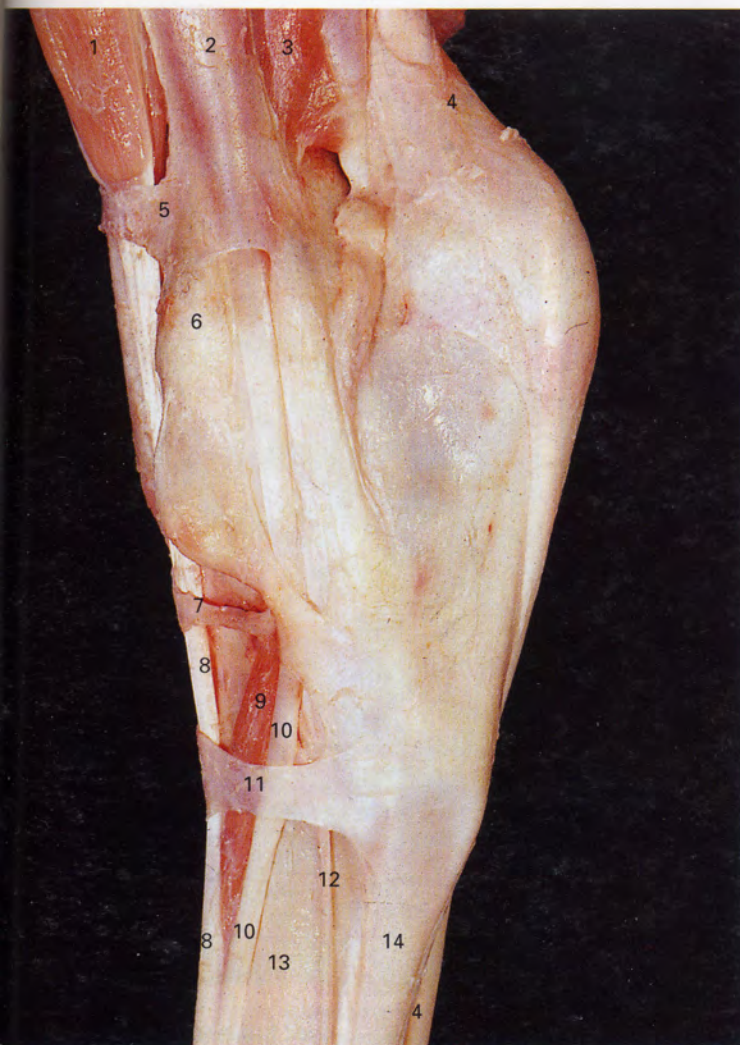
227. Superficial dissection of left tarsus of horse, plantar view.

- | | |
|---|--|
| 1 M. flexor digitorum profundus, superficial head | 5 M. flexor digitorum profundus, medial head |
| 2 Tendon of M. gastrocnemius | 6 Tibia |
| 3 Tendon of M. flexor digitorum superficialis | 7 Calcaneal tuber |
| 4 M. extensor digitorum lateralis | 8 Medial malleolus |
| | 9 Tendon of M. flexor digitorum profundus |



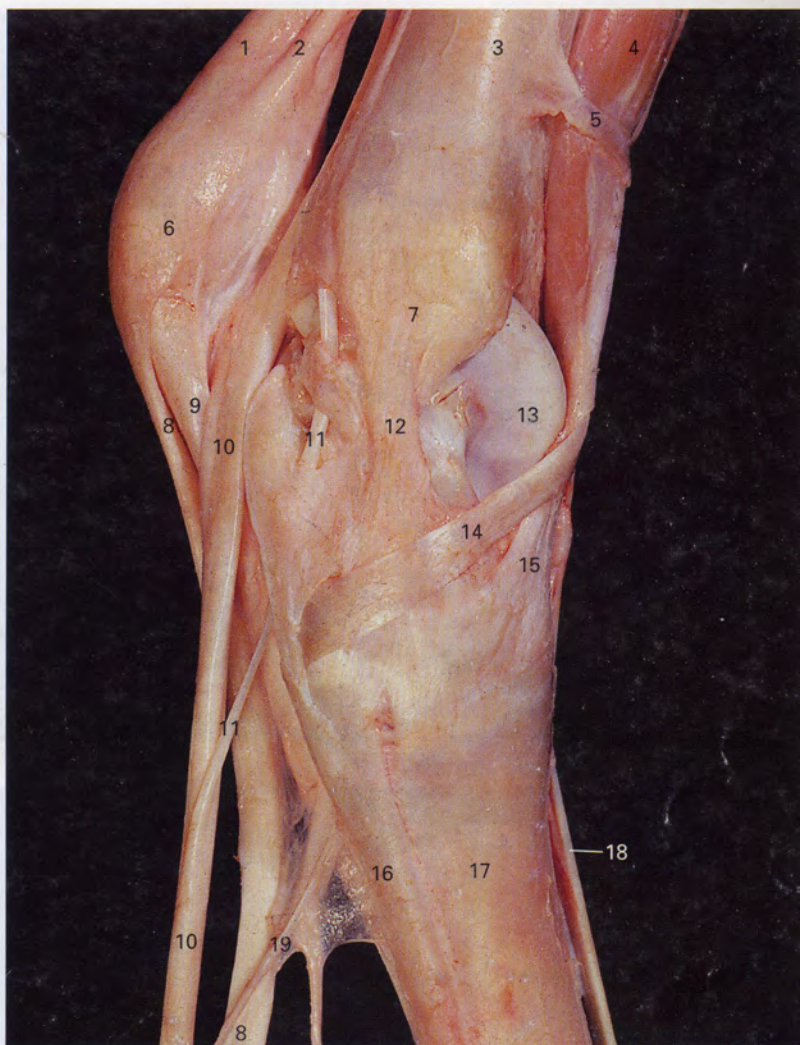
228. Radiograph of left tarsus of horse, dorsoplantar projection.

- | | |
|--------------------------|--|
| 1 Tibia | 11 Central tarsal bone |
| 2 Calcaneus | 12 Third tarsal bone |
| 3 Medial malleolus | 13 Fourth tarsal bone |
| 4 Medial groove | 14 Metatarsal II (medial splint bone) |
| 5 Sagittal ridge | 15 Metatarsal III (cannon bone) |
| 6 Lateral groove | 16 Metatarsal IV (lateral splint bone) |
| 7 Lateral malleolus | |
| 8 Medial ridge of talus | |
| 9 Lateral ridge of talus | |
| 10 Sustentaculum tali | |



229. Superficial dissection of left tarsus of horse, lateral view.

- | | |
|---|--|
| 1 M. tibialis cranialis | 9 M. extensor digitorum brevis |
| 2 M. extensor digitorum lateralis | 10 Tendon of M. extensor digitorum lateralis |
| 3 M. flexor digitorum profundus | 11 Distal extensor retinaculum |
| 4 Tendon of M. flexor digitorum superficialis | 12 Dorsal metatarsal artery III |
| 5 Proximal extensor retinaculum | 13 Metatarsal III (cannon bone) |
| 6 Lateral malleolus | 14 Metatarsal IV (lateral splint bone) |
| 7 Middle extensor retinaculum | |
| 8 Tendon of M. extensor digitorum longus | |



230. Superficial dissection of left tarsus of horse, medial view. Tendons of M. flexor digitorum profundus and M. flexor digitorum superficialis have been retracted in a plantar direction in the metatarsal region.

- | | |
|---|--|
| 1 Tendon of M. flexor digitorum superficialis | 13 Trochlea of talus |
| 2 Tendon of M. gastrocnemius | 14 Medial tendon of M. tibialis cranialis (cunean tendon) |
| 3 Tibia | 15 Dorsal tendon of M. peroneus (fibularis) longus |
| 4 M. tibialis cranialis | 16 Metatarsal II (medial splint bone) |
| 5 Proximal extensor retinaculum | 17 Metatarsal III (cannon bone) |
| 6 Calcaneal tuber | 18 Tendon of M. extensor digitorum longus |
| 7 Medial malleolus | 19 Accessory ligament of M. flexor digitorum profundus (distal check ligament) |
| 8 Tendon of M. flexor digitorum superficialis | |
| 9 Plantar ligament | |
| 10 Tendon of M. flexor digitorum profundus | |
| 11 Tendon of M. flexor digitorum longus | |
| 12 Medial collateral tarsal ligament | |



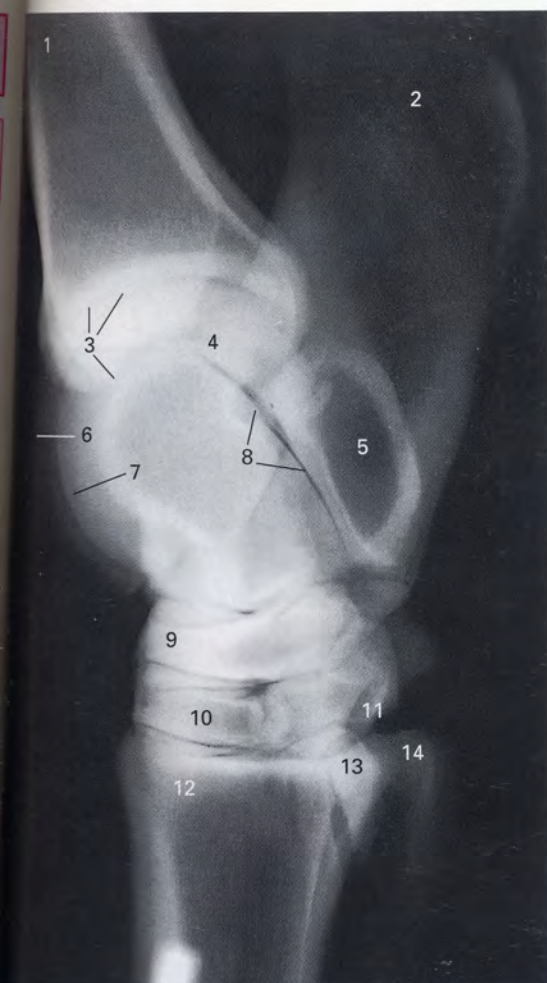
231. Deep dissection of left tarsus of horse, flexed lateral view.

- | | |
|--|--|
| 1 Lateral malleolus | 6 Central tarsal bone |
| 2 Lateral ridge of trochlea of talus | 7 Third tarsal bone |
| 3 Calcaneal tuber | 8 Long plantar ligament |
| 4 Short lateral collateral tarsal ligament | 9 Metatarsal III (cannon bone) |
| 5 Long lateral collateral tarsal ligament | 10 Metatarsal IV (lateral splint bone) |



232. Deep dissection of left tarsus of horse, medial view of flexed joint.

- | | |
|--|---------------------------------------|
| 1 Calcaneal tuber | 7 Sustentaculum tali |
| 2 Medial ridge of trochlea of talus | 8 Long plantar ligament |
| 3 Medial malleolus | 9 Dorsal tarsal ligament |
| 4 Short medial collateral tarsal ligament | 10 Metatarsal II (medial splint bone) |
| 5 Long medial collateral tarsal ligament | 11 Metatarsal III (cannon bone) |
| 6 Groove for tendon of M. flexor digitorum profundus | |



233. Radiograph of left tarsus of horse, lateromedial projection.

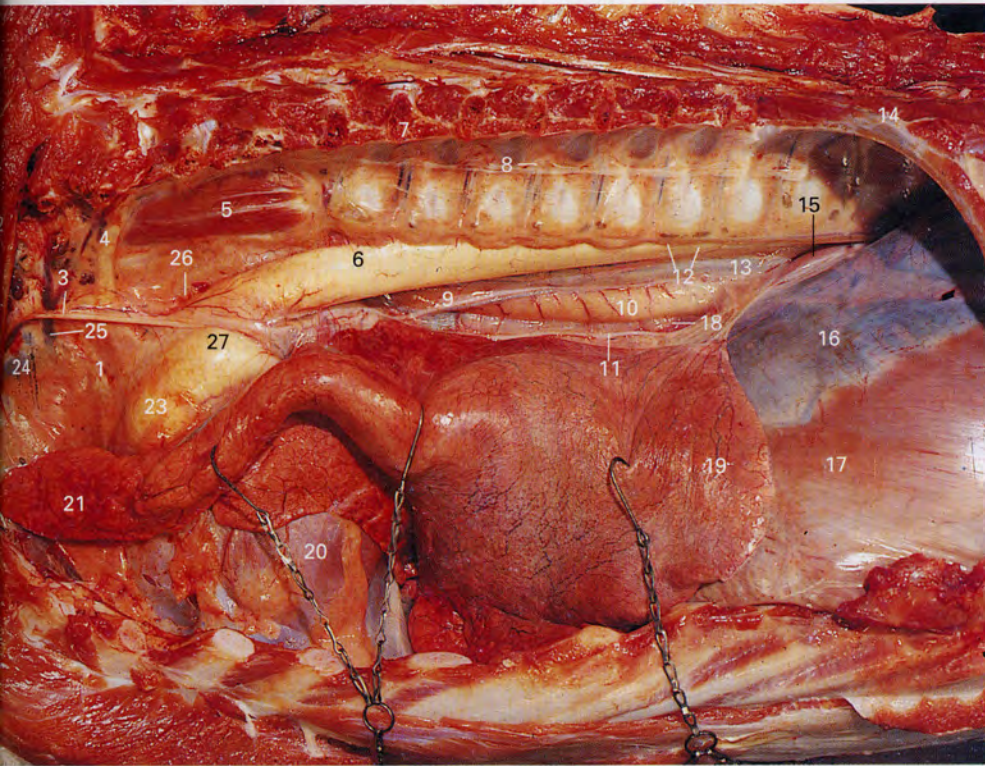
- | | |
|--------------------------------------|---|
| 1 Tibia | 9 Central tarsal bone |
| 2 Calcaneus | 10 Third tarsal bone |
| 3 Tarsocrural joint | 11 First and second tarsal bone (fused) |
| 4 Coracoid process of calcaneus | 12 Metatarsal III (cannon bone) |
| 5 Sustentaculum tali | 13 Metatarsal II (medial splint bone) |
| 6 Medial ridge of trochlea of talus | 14 Metatarsal IV (lateral splint bone) |
| 7 Lateral ridge of trochlea of talus | |
| 8 Talocalcaneal joint | |



234. Sagittal section through left tarsus of horse.

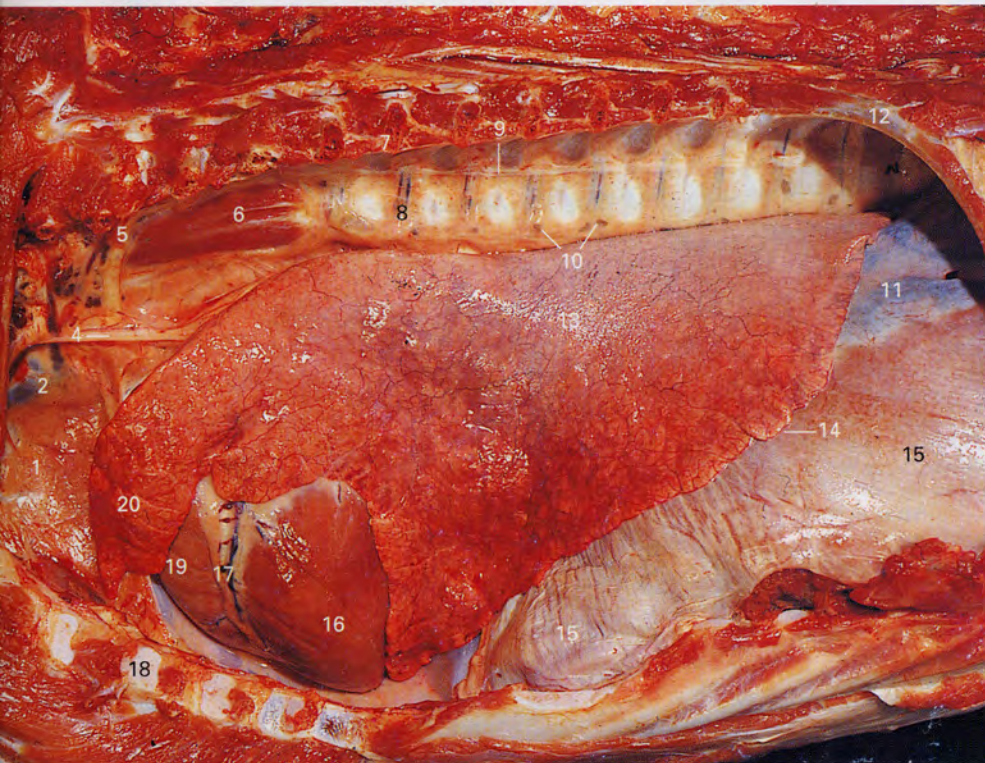
- | | |
|--|--|
| 1 Tibia | 14 Fibrous joint capsule |
| 2 M. flexor digitorum profundus | 15 Proximal intertarsal joint |
| 3 Tendon of M. gastrocnemius | 16 Central tarsal bone |
| 4 Calcaneal tuber | 17 Distal intertarsal joint |
| 5 Tendon of M. flexor digitorum superficialis | 18 Third tarsal bone |
| 6 Tarsocrural joint | 19 Tarsometatarsal joint |
| 7 Thick part of joint capsule | 20 Joint capsule (tarsometatarsal ligament) |
| 8 Tendon of M. flexor digitorum profundus | 21 Proximal perforating tarsal vein |
| 9 Medial tendon of M. tibialis cranialis (cunean tendon) | 22 Accessory ligament of M. flexor digitorum profundus (distal check ligament) |
| 10 Talus | 23 Metatarsal III (cannon bone) |
| 11 Sustentaculum tali | 24 M. interosseus medius (suspensory ligament) |
| 12 Long plantar ligament | |
| 13 Flexor retinaculum | |

6 Viscera of the Thorax, Abdomen, and Pelvis



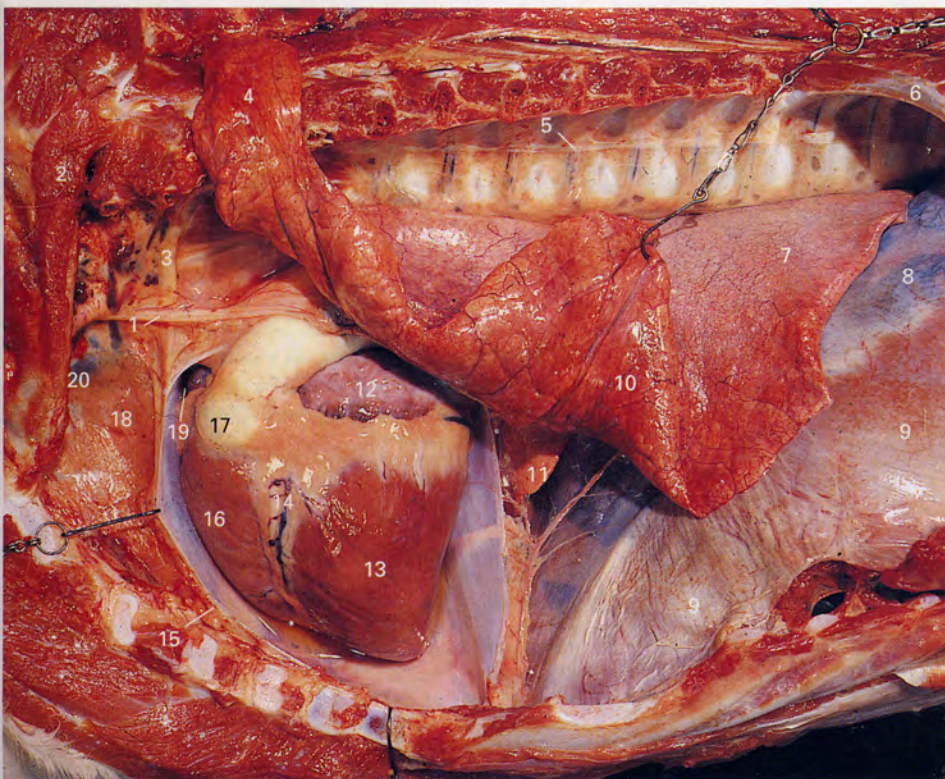
235. Left view of the thorax of a horse. Ribs 2–12 and the associated soft tissues have been removed to expose the thoracic viscera. The left lung has been reflected ventrally.

- | | |
|--------------------------------------|---|
| 1 Thymus | 17 Costal part of the diaphragm |
| 2 Rib 1 | 18 Ligament of the lung |
| 3 Vagosympathetic trunk | 19 Caudal lobe of the left lung |
| 4 Costocervical trunk | 20 Heart lying in the cardiac notch of the lung and surrounded by the pericardium |
| 5 M. longus colli | 21 Reflected cranial lobe of the lung |
| 6 Aorta | 22 Cut costal cartilage of rib 2 |
| 7 Cut dorsal end of rib 7 | 23 Pulmonary trunk |
| 8 Sympathetic trunk | 24 Cranial vena cava |
| 9 Dorsal trunk of the vagus nerve | 25 Costocervical trunk |
| 10 Oesophagus | 26 Thoracic duct |
| 11 Ventral trunk of the vagus nerve | 27 Arterial ligament |
| 12 Aortic lymph nodes | |
| 13 Caudal mediastinum | |
| 14 Rib 13 | |
| 15 Left crus of the diaphragm | |
| 16 Tendinous centre of the diaphragm | |



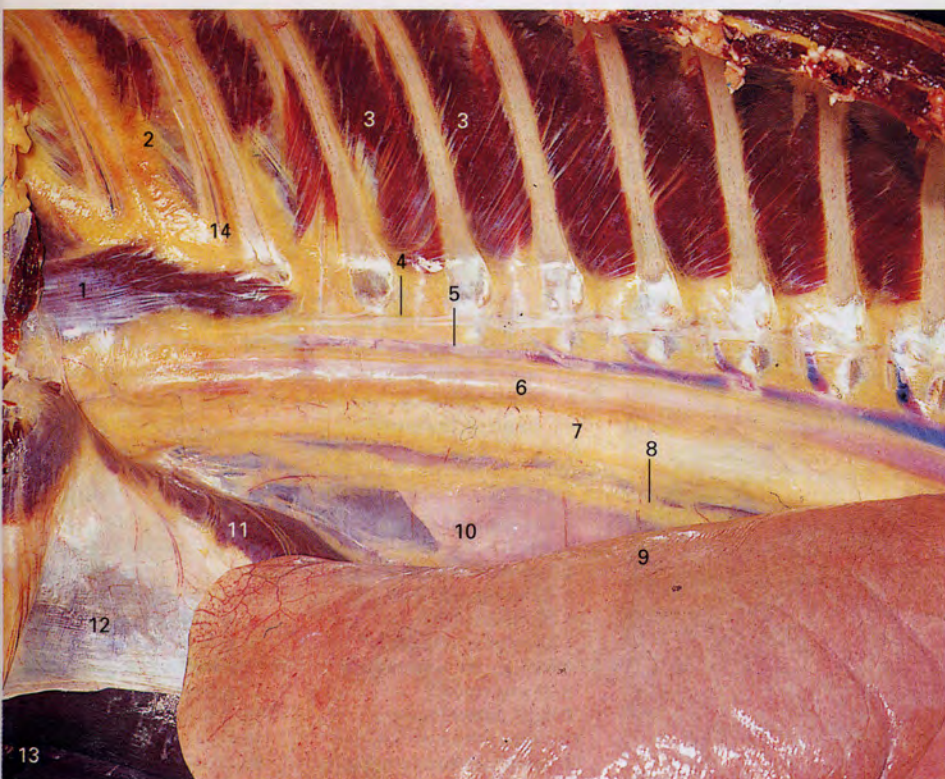
236. Left view of the thorax of a horse. Ribs 2–12 and the associated soft tissues have been removed to expose the thoracic viscera. The left side of the pericardial sac has been removed to partially expose the heart.

- | | |
|---|--------------------------------------|
| 1 Thymus | 13 Caudal lobe of the left lung |
| 2 Cranial vena cava | 14 Basal border of the left lung |
| 3 Rib 1 | 15 Costal part of the diaphragm |
| 4 Vagosympathetic trunk | 16 Left ventricle |
| 5 Costocervical trunk | 17 Paraconal interventricular groove |
| 6 M. longus colli | 18 Cut cartilage of rib 4 |
| 7 Cut dorsal end of rib 7 | 19 Right ventricle |
| 8 Intercostal vessels lying caudal to rib 7 | 20 Cranial lobe of the left lung |
| 9 Sympathetic trunk | |
| 10 Aortic lymph nodes | |
| 11 Tendinous centre of the diaphragm | |
| 12 Rib 13 | |



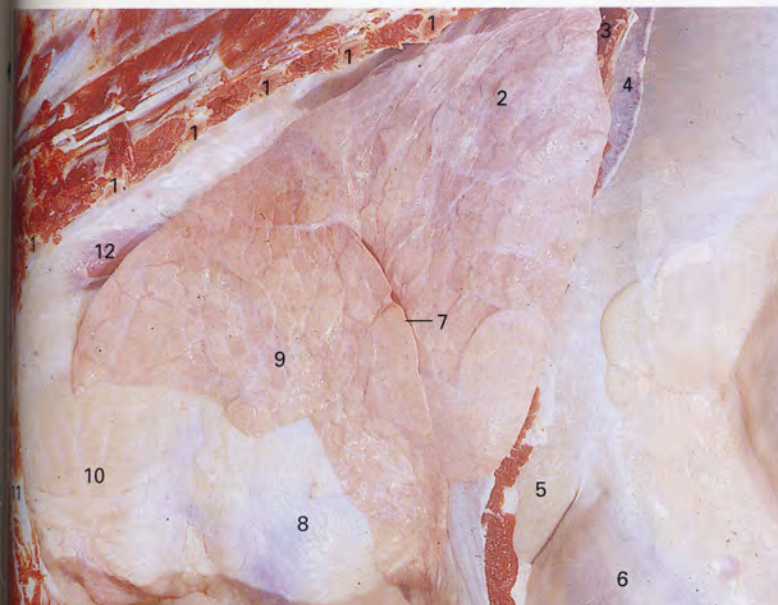
237. Left view of the thorax of a horse. Ribs 2–12 and the associated soft tissues have been removed to expose the thoracic viscera. The left side of the pericardial sac has been removed and the lung has been reflected dorsally.

- | | |
|--|---|
| 1 Vagosympathetic trunk | 11 Accessory lobe of the right lung seen through the caudal mediastinum |
| 2 Rib 1 | 12 Left auricle |
| 3 Costocervical trunk | 13 Left ventricle |
| 4 Reflected cranial lobe of the left lung | 14 Paraconal interventricular groove |
| 5 Sympathetic trunk | 15 Cut edge of the pericardial sac |
| 6 Rib 13 | 16 Right ventricle |
| 7 Caudal lobe of the left lung | 17 Beginning of the pulmonary trunk |
| 8 Tendinous centre of the diaphragm | 18 Thymus |
| 9 Costal part of the diaphragm | 19 Left extremity of the right auricle |
| 10 Mediastinal surface of the reflected caudal lobe of the left lung | 20 Cranial vena cava |



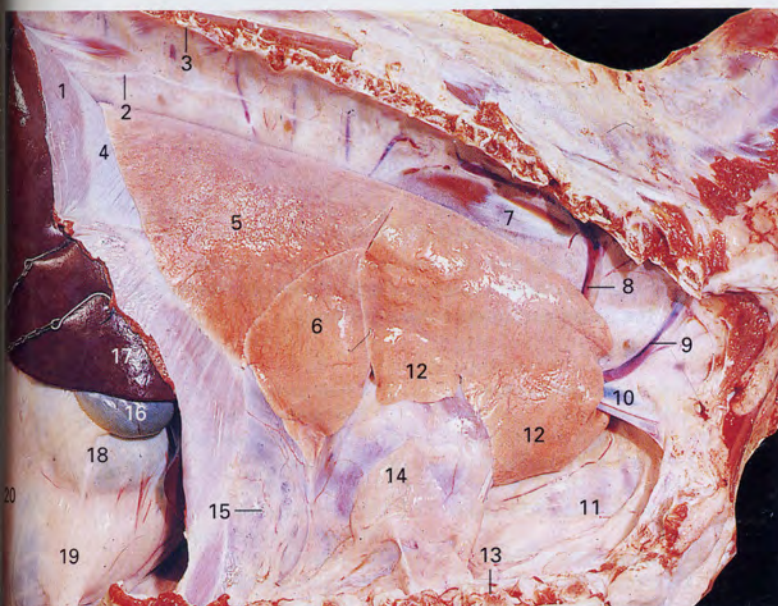
238. The caudodorsal part of the thoracic cavity of a horse seen from the right side. The caudal lobe of the lung has relaxed revealing the structures of the caudal mediastinum.

- | | |
|---|--|
| 1 Cranial end of the M. iliopsoas | 9 Dorsal border of the caudal lobe of the right lung |
| 2 M. intercostalis externus, visible owing to the absence of M. intercostalis internus muscles at this location | 10 Left lung visible through the caudal mediastinum |
| 3 M. intercostalis internus | 11 Right crus of the diaphragm |
| 4 Sympathetic trunk | 12 Tendinous centre of the diaphragm |
| 5 Azygos vein | 13 Liver, exposed by excision of part of the diaphragm |
| 6 Thoracic duct | 14 Intercostal vessels lying caudal to rib 16 |
| 7 Aorta | |
| 8 Lymphatics within the caudal mediastinum | |



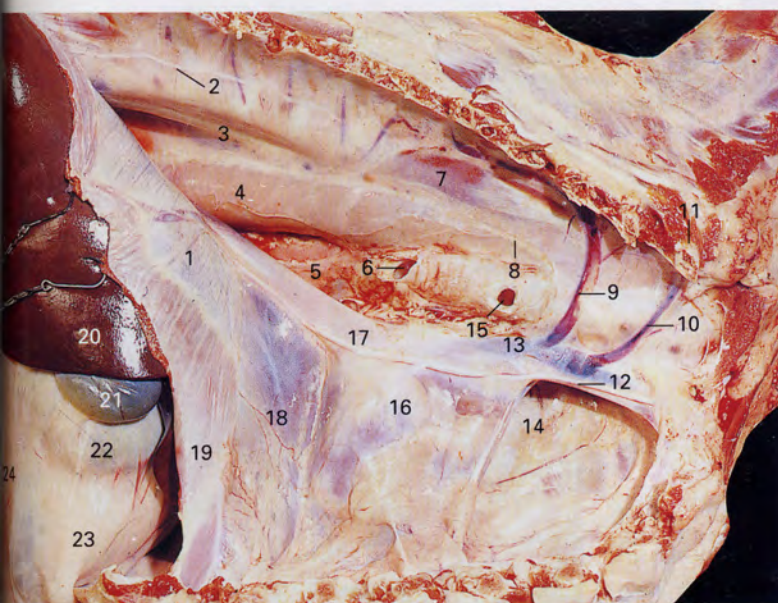
239. Left lateral view of the thorax of a one-year-old bull with ribs 2-13 removed.

- | | |
|--------------------------------|--|
| 1 The cut ends of ribs 2-8 | 7 Fissure between cranial and caudal lobes |
| 2 Caudal lobe of the left lung | 8 Pericardium |
| 3 Costal part of the diaphragm | 9 Cranial lobe of the left lung |
| 4 Spleen | 10 Cranial mediastinum |
| 5 Reticulum | 11 Rib 1 |
| 6 Abomasum | 12 M. longus colli |



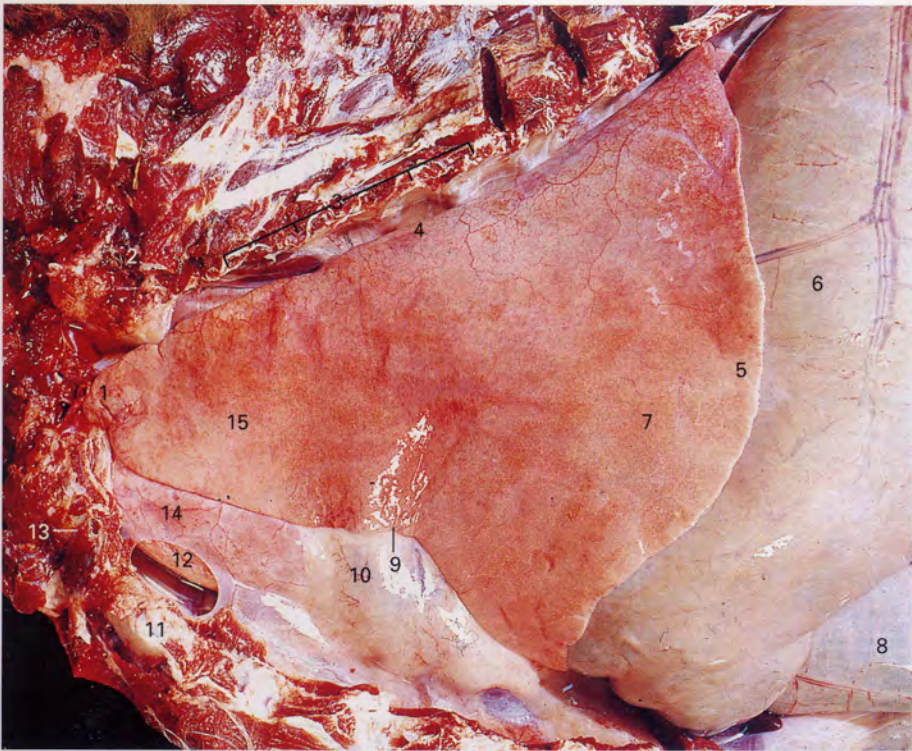
240. Right view of the thorax of the sheep. The thoracic wall has been completely removed.

- | | |
|--|---|
| 1 Peripheral muscle of the diaphragm | 12 Cranial and caudal divisions of the cranial lobe of the right lung |
| 2 Sympathetic trunk | 13 Cut distal end of the cartilage of rib 4 |
| 3 Cut proximal end of rib 10 | 14 Pericardium |
| 4 Tendinous centre of the diaphragm | 15 Caval fold of the pleura |
| 5 Caudal lobe of the right lung | 16 Gall bladder |
| 6 Middle lobe of the right lung | 17 Right lobe of the liver |
| 7 M. longus colli | 18 Omasum covered by the lesser omentum |
| 8 Right azygos vein | 19 Reticulum covered by the lesser omentum |
| 9 Costocervical trunk | 20 Duodenum |
| 10 Cranial vena cava | |
| 11 Cranial mediastinum lying against the medial aspect of the left thoracic wall | |



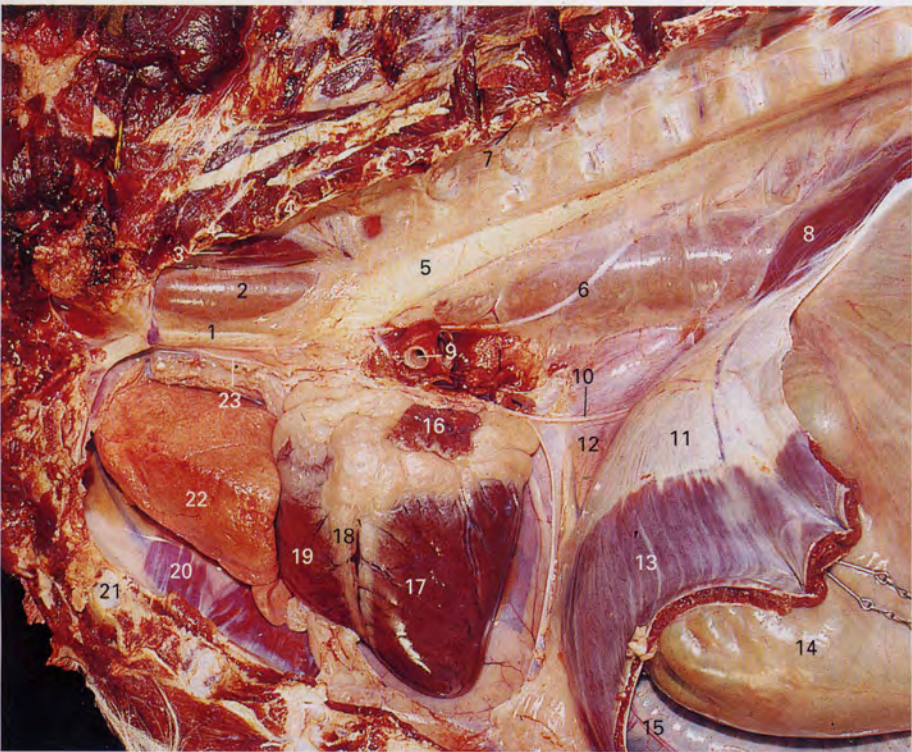
241. Right view of the thorax of the sheep. The thoracic wall and the right lung have been completely removed.

- | | |
|--|---|
| 1 Tendinous centre of the diaphragm | 15 Cut tracheal bronchus supplying the cranial lobe of the right lung |
| 2 Sympathetic trunk | 16 Pericardium |
| 3 Thoracic duct | 17 Caudal vena cava accompanied by the right phrenic nerve |
| 4 Oesophagus | 18 Caval fold of the pleura |
| 5 Left lung visible through the caudal mediastinum | 19 Costal part of the diaphragm |
| 6 Cut right principal bronchus | 20 Right lobe of the liver |
| 7 M. longus colli | 21 Gall bladder |
| 8 Dorsal trunk of vagus nerve | 22 Omasum covered by the lesser omentum |
| 9 Right azygos vein | 23 Reticulum covered by the lesser omentum |
| 10 Costocervical trunk | 24 Duodenum |
| 11 Cut proximal end of rib 1 | |
| 12 Right phrenic nerve | |
| 13 Cranial vena cava | |
| 14 Cranial mediastinum lying against the medial aspect of the left thoracic wall | |



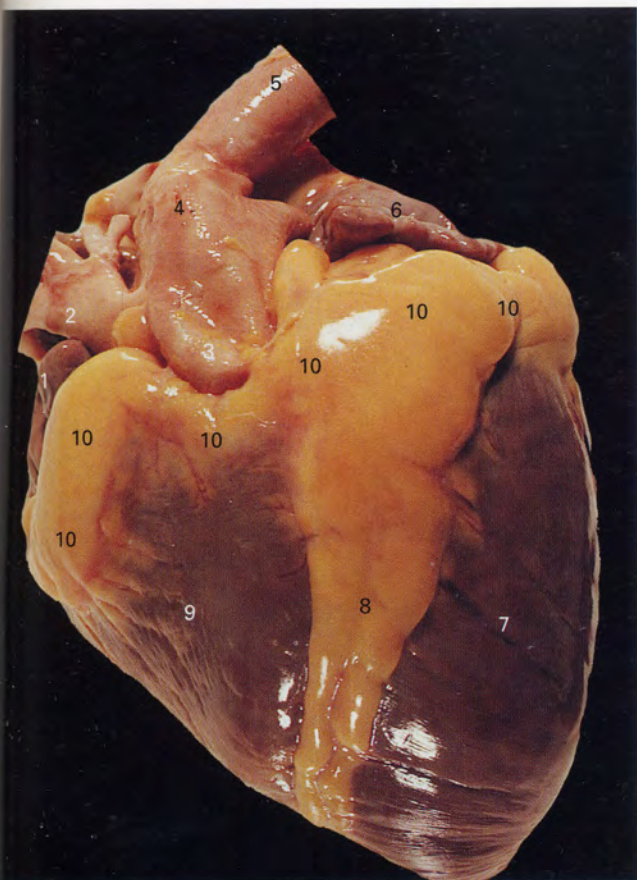
242. Left view of the thoracic region of a llama with the thoracic wall removed. The cut costal part of the diaphragm has slipped from view between the lung and the first compartment of the stomach.

- | | |
|--|--|
| 1 Apex of the lung | 10 Lateral surface of the pericardium |
| 2 Point of attachment of the head of rib 1 | 11 Sternal attachment of rib 2 |
| 3 Ribs 2–5 in section | 12 Cranial lobe of the right lung seen through an opening in the cranial mediastinum |
| 4 Dorsal border of the lung | 13 Cut ventral end of rib 1 |
| 5 Basal border of the lung | 14 Cranial mediastinum |
| 6 First compartment of the stomach | 15 Cranial lobe of the left lung |
| 7 Caudal lobe of the left lung | |
| 8 Third compartment of the stomach | |
| 9 Cardiac notch | |



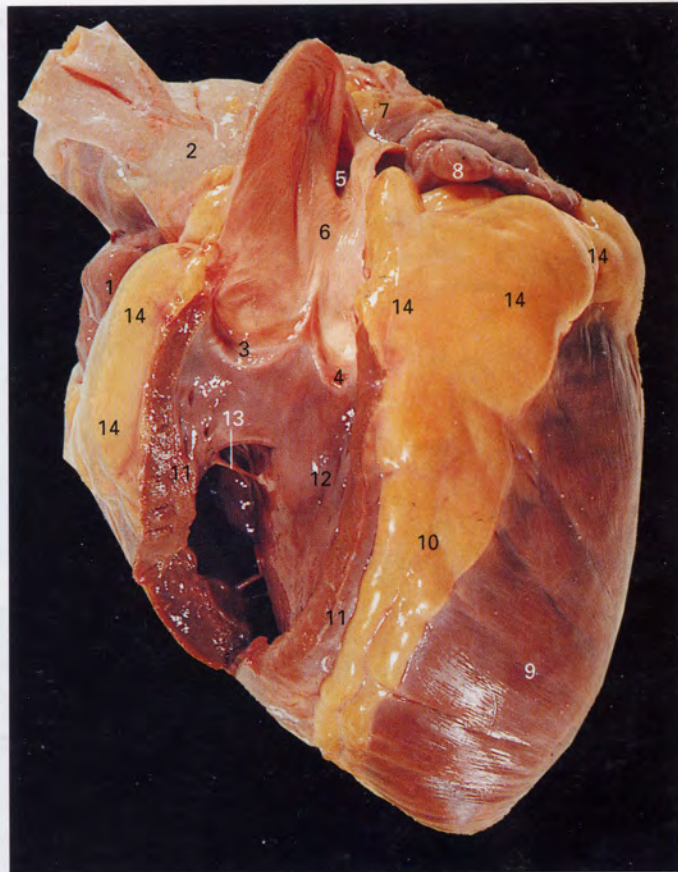
243. Left view of the thorax of a llama with the left lung and thoracic wall removed. The left side of the pericardium and the membranous part of the cranial mediastinum have been removed, revealing the heart and part of the right lung.

- | | |
|--------------------------------------|--------------------------------------|
| 1 Brachiocephalic trunk | 14 First compartment of the stomach |
| 2 Oesophagus | 15 Third compartment of the stomach |
| 3 M. longus colli | 16 Left auricle |
| 4 Ribs 2–4 in section | 17 Left ventricle |
| 5 Aorta | 18 Paraconal interventricular groove |
| 6 Dorsal trunk of the vagus nerve | 19 Right ventricle |
| 7 Sympathetic trunk | 20 Part of M. transversus thoracis |
| 8 Left crus of the diaphragm | 21 Sternal attachment of rib 2 |
| 9 Left bronchus in section | 22 Cranial lobe of the right lung |
| 10 Left phrenic nerve | 23 Vagosympathetic trunk |
| 11 Tendinous centre of the diaphragm | |
| 12 Caudal mediastinum | |
| 13 Costal part of the diaphragm | |



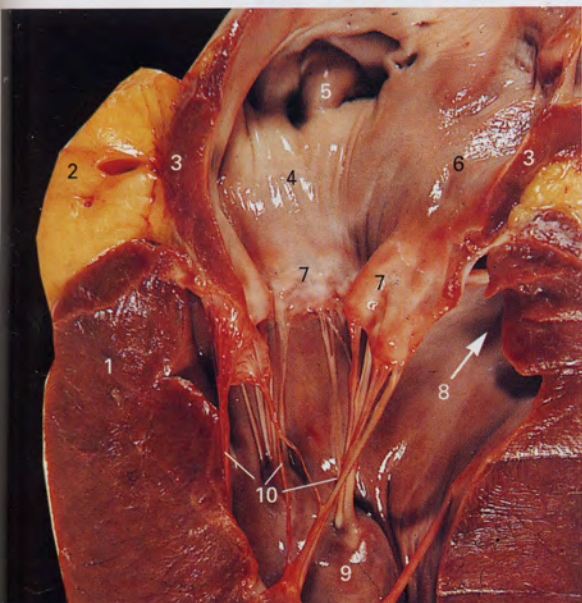
244. Left view of the equine heart.

- | | |
|-------------------------|-------------------------------------|
| 1 Right auricle | 7 Left ventricle |
| 2 Brachiocephalic trunk | 8 Paraconal interventricular groove |
| 3 Pulmonary trunk | 9 Right ventricle |
| 4 Arterial ligament | 10 Coronary groove |
| 5 Aorta | |
| 6 Left auricle | |



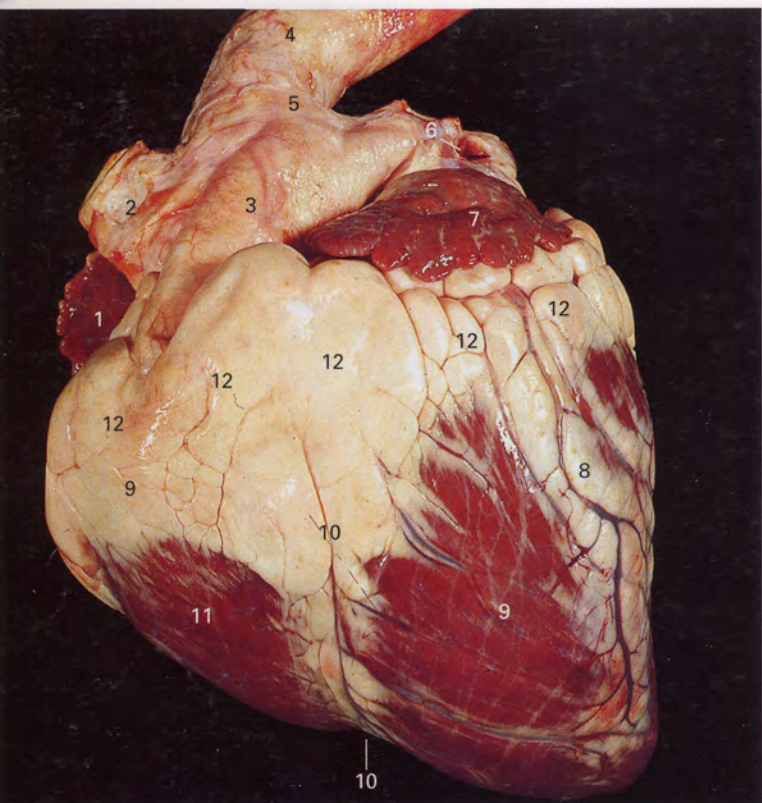
245. Left view of the equine heart with part of the wall of the right ventricle removed.

- | | |
|---|--------------------------------------|
| 1 Right auricle | 6 Pulmonary trunk |
| 2 Brachiocephalic trunk | 7 Part of the left atrium |
| 3 Intermediate cusp of the pulmonary valve | 8 Left auricle |
| 4 Right cusp of the pulmonary valve | 9 Left ventricle |
| 5 Depression marking the attachment of the arterial ligament to the outside of the vessel | 10 Paraconal interventricular groove |
| | 11 Wall of the right ventricle |
| | 12 Interventricular septum |
| | 13 Septomarginal band |
| | 14 Coronary groove |



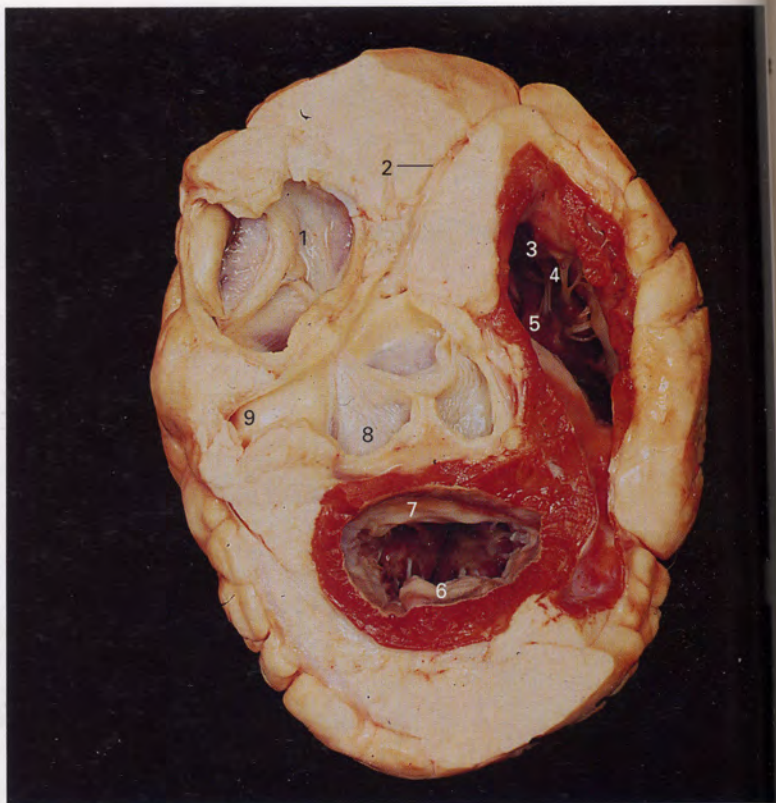
246. The equine heart sectioned transversely through the left atrioventricular valve. The specimen is viewed from behind.

- | | |
|--|--|
| 1 Cut wall of the left ventricle | 6 Part of the interatrial septum |
| 2 Fat filling the coronary groove | 7 Septal cusp of the left atrioventricular valve |
| 3 Cut wall of the left atrium | 8 Arrow pointing towards the aortic valve |
| 4 Interior of the left atrium | 9 Papillary muscle |
| 5 Interior of the left auricle showing pectinate muscles | 10 Tendinous cords |



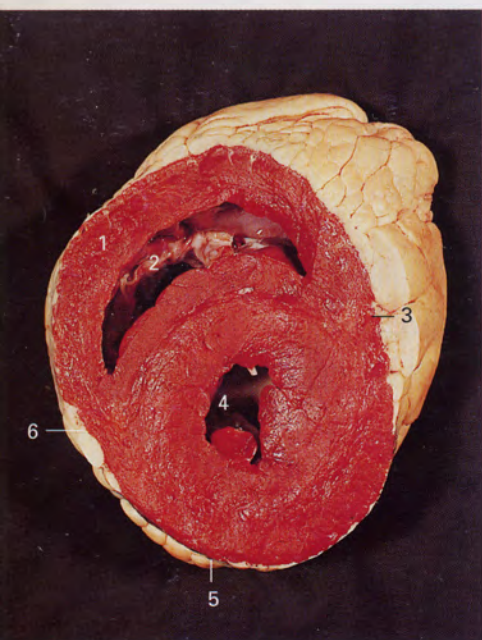
247. Left view of the bovine heart.

- | | |
|--------------------------|-----------------------|
| 1 Right auricle | 8 Intermediate groove |
| 2 Brachiocephalic trunk | 9 Left ventricle |
| 3 Pulmonary trunk | 10 Paraconal |
| 4 Aorta | interventricular |
| 5 Arterial ligament | groove |
| 6 One of many | 11 Right ventricle |
| pulmonary veins | 12 Coronary groove |
| entering the left atrium | |
| 7 Left auricle | |



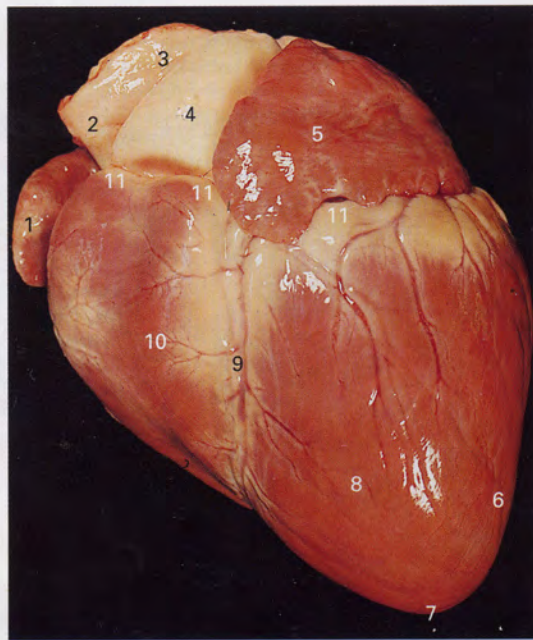
248. Dorsal view of the base of the bovine heart. The atria and great vessels have been removed. The cranial aspect is towards the top of the page.

- | | |
|--------------------------|-------------------------|
| 1 Pulmonary valve | 6 Left atrioventricular |
| 2 Right coronary artery | valve, parietal cusp |
| 3 Right atrioventricular | 7 Left atrioventricular |
| valve | valve, septal cusp |
| 4 Tendinous cords | 8 Aortic valve |
| 5 Papillary muscle | 9 Left coronary artery |



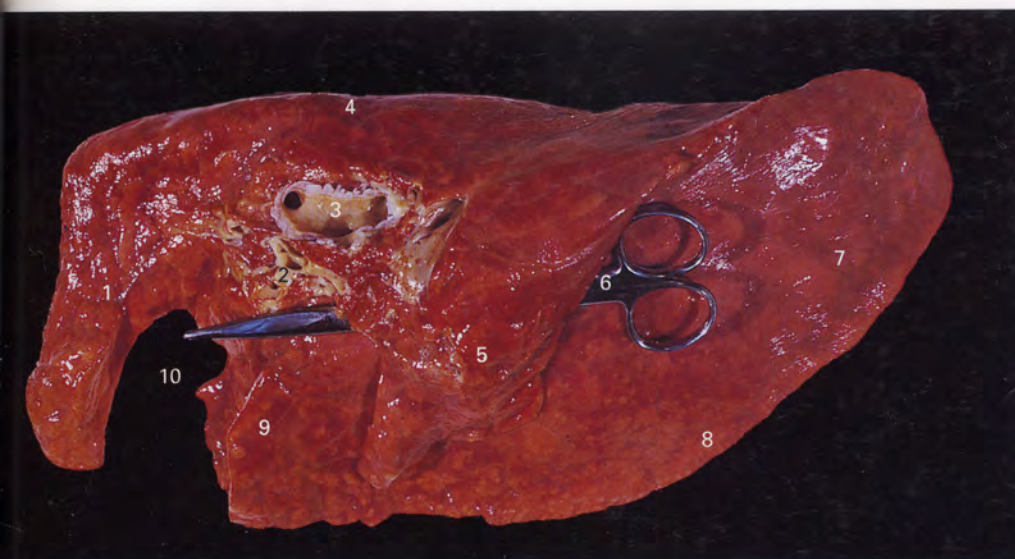
249. Dorsal section through ventricles of bovine heart at a point midway between the apex and the coronary groove. The cranial aspect is towards the top of the page. Ventral view.

- | |
|-------------------------|
| 1 Parietal wall of the |
| right ventricle |
| 2 Lumen of the right |
| ventricle |
| 3 Paraconal |
| interventricular groove |
| 4 Lumen of the left |
| ventricle |
| 5 Intermediate groove |
| 6 Subsinoal |
| interventricular groove |



250. Left view of a porcine heart.

- | |
|-------------------------|
| 1 Right auricle |
| 2 Brachiocephalic trunk |
| 3 Aorta |
| 4 Pulmonary trunk |
| 5 Left auricle |
| 6 Caudal border of the |
| left ventricle |
| 7 Apex of the left |
| ventricle |
| 8 Left ventricle |
| 9 Paraconal |
| interventricular groove |
| 10 Right ventricle |
| 11 Coronary groove |



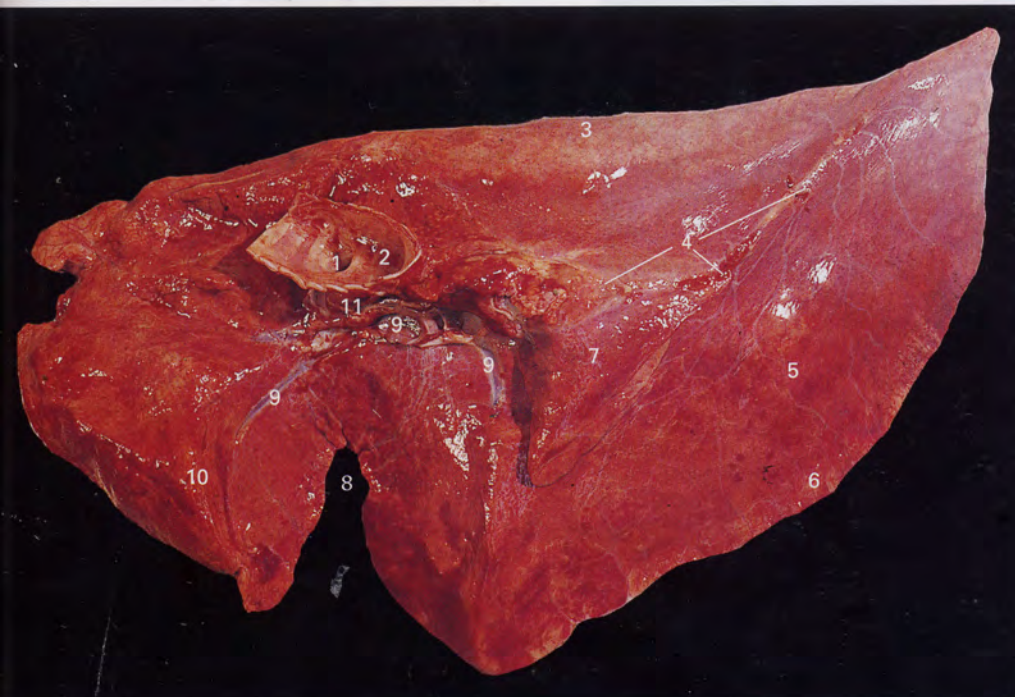
251. Medial view of the right lung of the horse.

- | | |
|---|---|
| 1 Cranial lobe | 6 Scissors indicating the course followed by the caudal vena cava |
| 2 Pulmonary arteries | 7 Diaphragmatic surface of the caudal lobe |
| 3 Right principal bronchus with its medial wall removed | 8 Basal border |
| 4 Dorsal border | 9 Middle lobe |
| 5 Accessory lobe | 10 Cardiac notch |



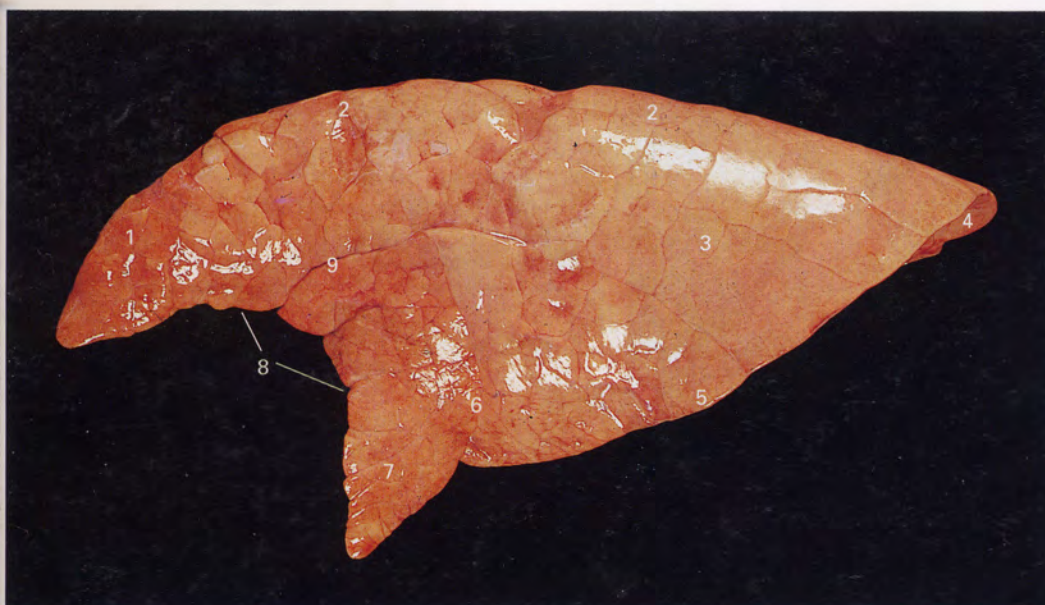
252. Medial view of the right lung of the horse dissected to show the lobar bronchi.

- | | |
|---|----------------------------|
| 1 Cranial lobe | 6 Accessory lobe |
| 2 Cranial lobar bronchus | 7 Accessory lobar bronchus |
| 3 Pulmonary arteries | 8 Middle lobar bronchus |
| 4 Caudal lobar bronchus | |
| 5 Segmental bronchi leaving the caudal lobar bronchus | |



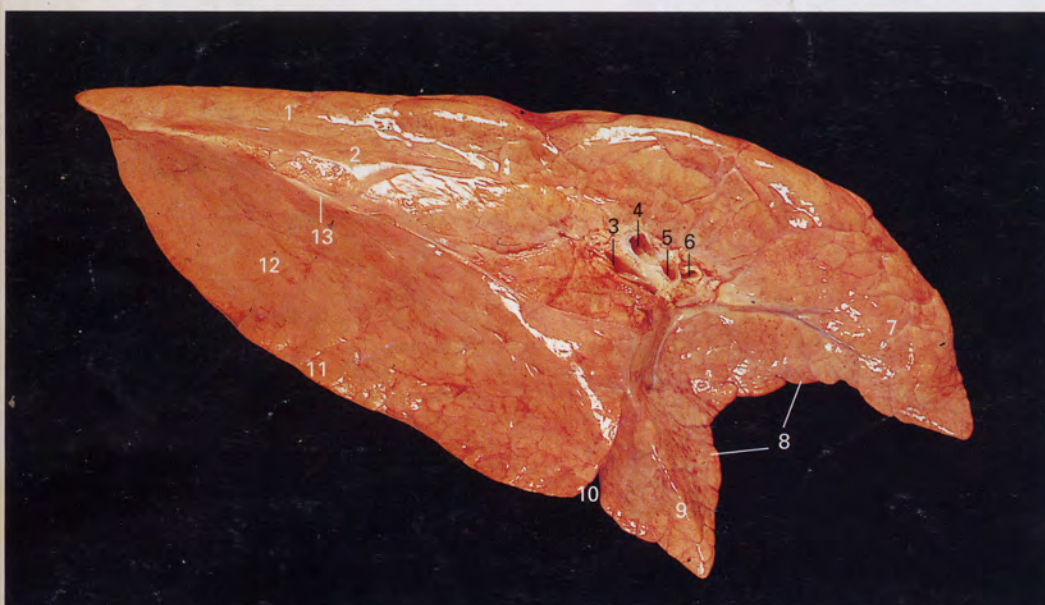
253. Medial view of the right lung of a llama. A little of the right terminal part of the trachea has been left in place. Owing to the absence of interlobar fissures, the middle lobe cannot be precisely defined from the exterior and it has been left unlabelled.

- | | |
|--|--|
| 1 Right cranial lobar bronchus | 5 Diaphragmatic surface of the caudal lobe |
| 2 Origin of the middle, caudal and accessory lobar bronchi | 6 Basal border of the lung |
| 3 Dorsal border of the lung | 7 Accessory lobe |
| 4 Cut attachment of the ligament of the lung | 8 Cardiac notch |
| | 9 Pulmonary veins |
| | 10 Cranial lobe |
| | 11 Point of entry of the pulmonary artery |



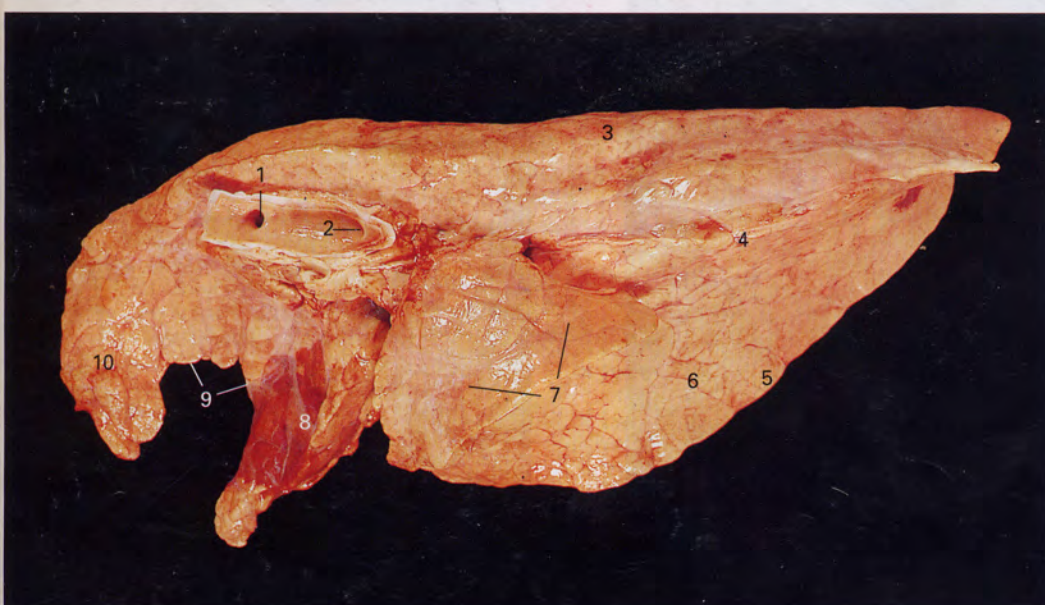
254. Lateral view of the left lung of a pig.

- | | |
|--|---|
| 1 Cranial division of the cranial lobe | 6 Fissure dividing the cranial and caudal lobes |
| 2 Dorsal border | 7 Caudal division of the cranial lobe |
| 3 Costal surface of the caudal lobe | 8 Cardiac notch |
| 4 Diaphragmatic surface of the caudal lobe | 9 Fissure dividing the cranial and caudal divisions of the cranial lobe |
| 5 Basal border of the lung | |



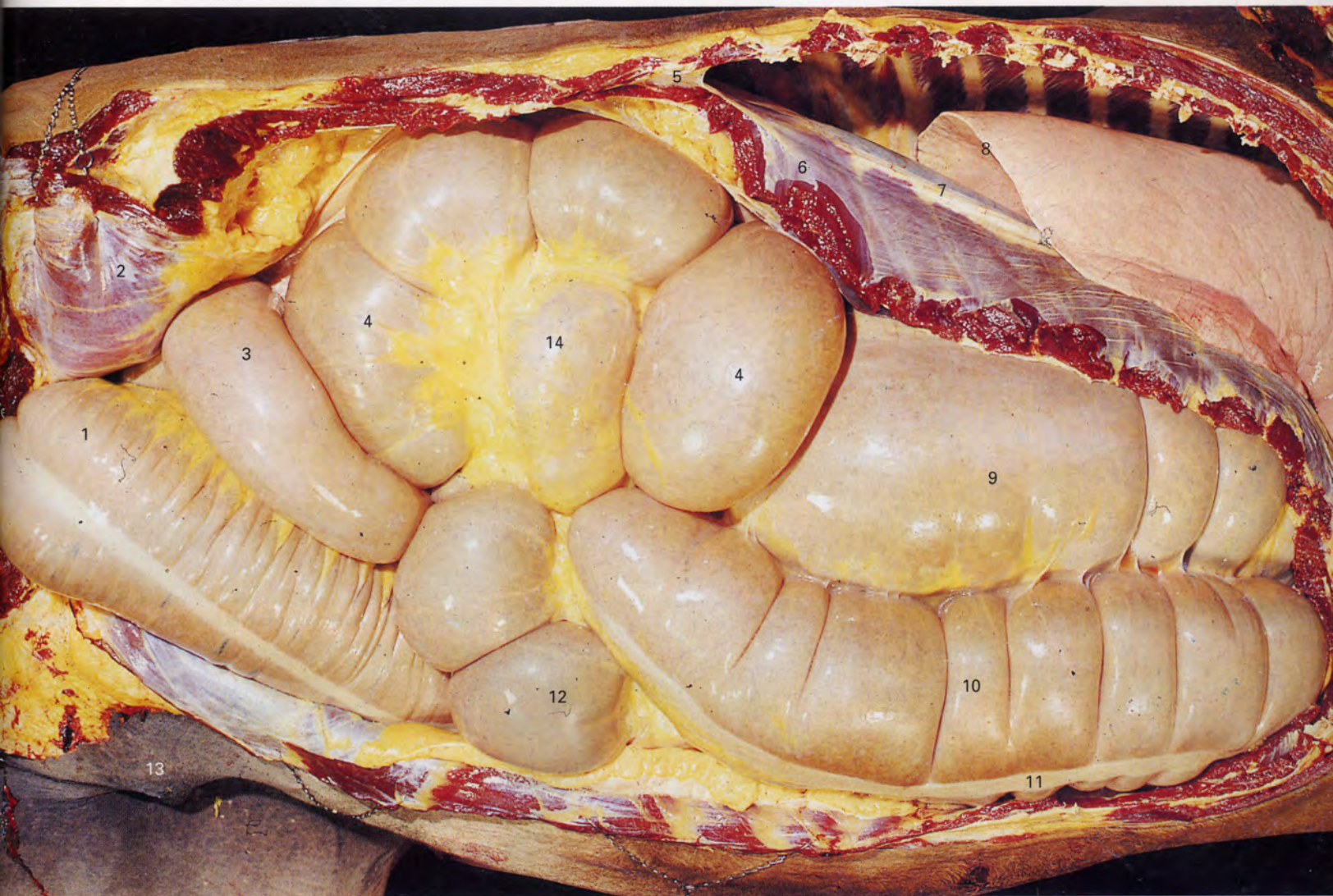
255. Medial view of the left lung of a pig.

- | | |
|--|---|
| 1 Dorsal border | 9 Caudal division of the cranial lobe |
| 2 Aortic impression | 10 Fissure dividing the cranial and caudal lobes |
| 3 Pulmonary veins | 11 Basal border |
| 4 Caudal lobar bronchus | 12 Diaphragmatic surface of the caudal lobe |
| 5 Cranial lobar bronchus | 13 Line of attachment of the ligament of the lung |
| 6 Pulmonary artery | |
| 7 Cranial division of the cranial lobe | |
| 8 Cardiac notch | |



256. Medial view of the right lung of a pig. The right lateral wall of the caudal end of the trachea has been left in place.

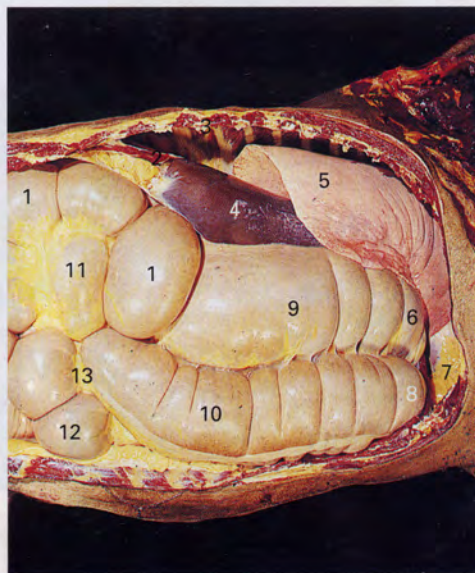
- | | |
|--|--|
| 1 Tracheal bronchus | 5 Basal border |
| 2 Position of the middle, caudal and accessory lobar bronchi | 6 Diaphragmatic surface of the caudal lobe |
| 3 Dorsal border | 7 Accessory lobe |
| 4 Line of attachment of the ligament of the lung | 8 Middle lobe |
| | 9 Cardiac notch |
| | 10 Cranial lobe |



27. The contents of the abdomen and caudal thorax of a large horse seen from the right side after removal of the body wall. The viscera were photographed as they were when the abdomen was opened. The colon and caecum are somewhat distended by enteric gas.

Left ventral part of the ascending colon
M. abdominis obliquus internus, reflected and seen from the medial aspect through the peritoneum
Left dorsal part of the ascending colon
Base of the caecum
Cut dorsal end of rib 18
Costal part of the diaphragm
Tendinous centre of the diaphragm

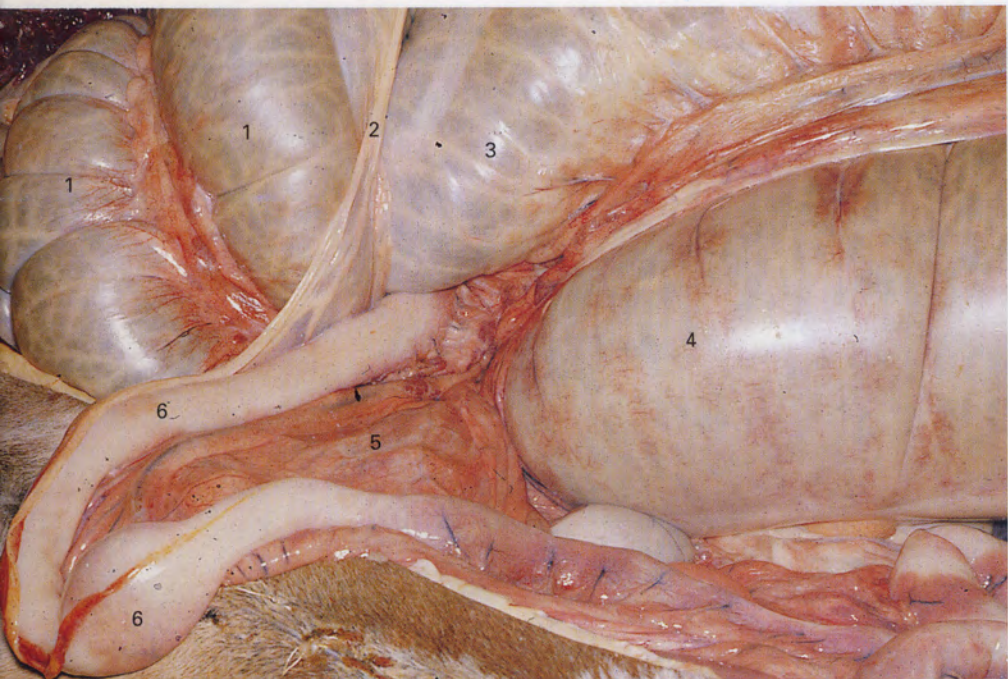
8 Basal border of the right lung
9 Right dorsal part of the ascending colon
10 Right ventral part of the ascending colon
11 Lateral free muscular band of the ascending colon
12 Body of the caecum, the apex lies behind the right ventral part of the colon
13 Mammary gland
14 Beginning of the right ventral part of the ascending colon



258. The contents of the caudal thorax and cranial abdomen of a large horse seen from the right side after removal of the body wall. The right side of the diaphragm has been removed to reveal the liver and parts of the colon.

1 Base of the caecum
2 Right crus of diaphragm seen in paramedian section
3 Cut dorsal end of rib 16
4 Right lateral lobe of liver
5 Caudal lobe of the right lung
6 Diaphragmatic flexure of the ascending colon
7 Heart enclosed in the pericardium

8 Sternal flexure of the ascending colon
9 Right dorsal part of the ascending colon
10 Right ventral part of the ascending colon
11 Beginning of the right ventral part of the ascending colon
12 Body of the caecum; the apex lies behind the right ventral part of the colon
13 Caecocolic fold



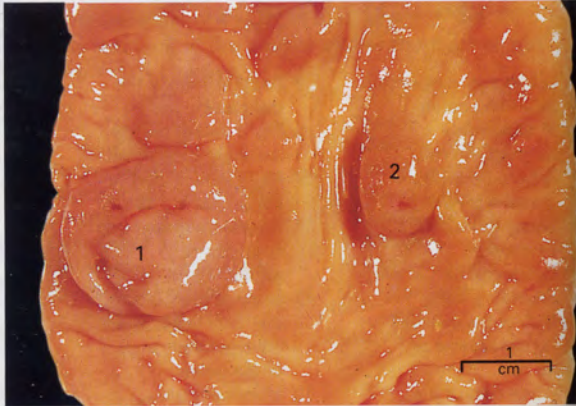
259. Right view of the ileum of the horse. Both the caecum and the ascending colon have been lifted out of the abdomen and reflected dorsally but none of their attachments have been cut.

- | | |
|---|--|
| 1 Caecum | 4 Right dorsal part of the ascending colon at its junction with the transverse colon |
| 2 Ileocaecal fold | 5 Mesentery |
| 3 Right ventral part of the ascending colon | 6 Ileum |



260. The stomach and part of the duodenum of the horse opened to show the mucosa. The stomach was opened along the greater curvature.

- | | |
|---|-----------------------------|
| 1 Cardiac gland area | 4 Cardia |
| 2 Gastrophilus larvae attached to part of the cardiac gland area | 5 Proper gastric gland area |
| 3 Nonglandular part of the stomach lined by keratinized squamous epithelium | 6 Pyloric gland area |
| | 7 Pylorus |
| | 8 Duodenal mucosa |



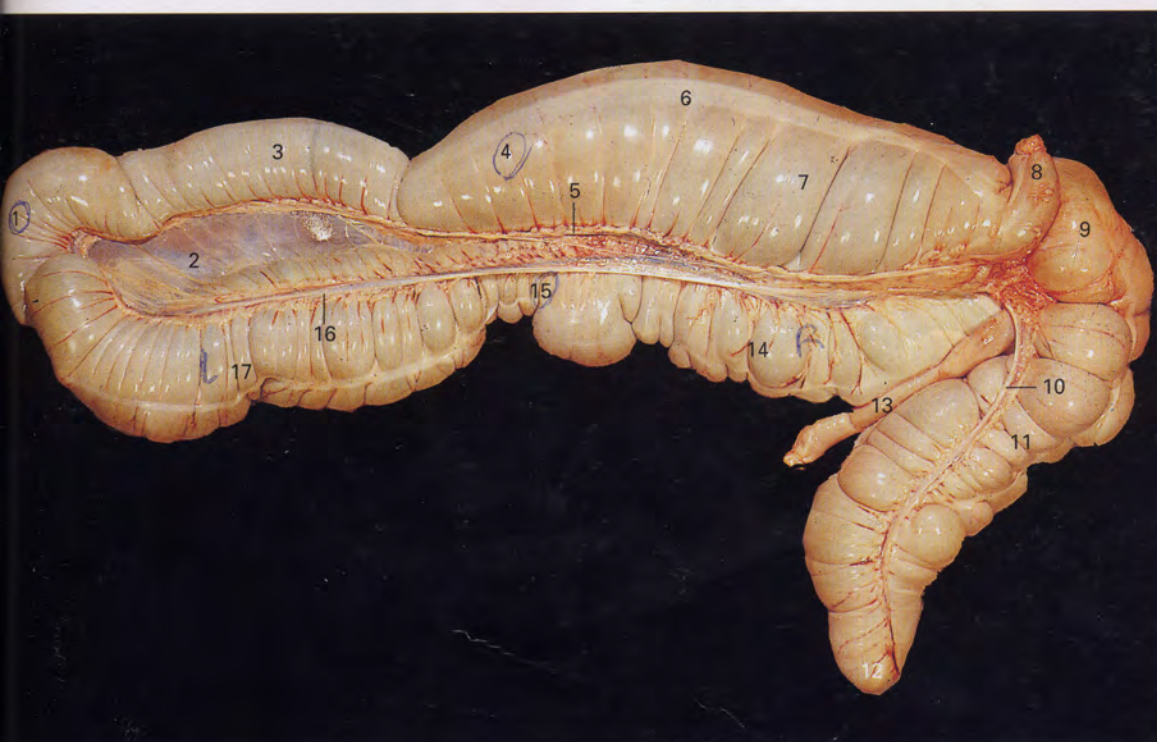
261. Detail of the duodenum of the horse showing the duodenal papillae.

- | | |
|--------------------------|--------------------------|
| 1 Major duodenal papilla | 2 Minor duodenal papilla |
|--------------------------|--------------------------|



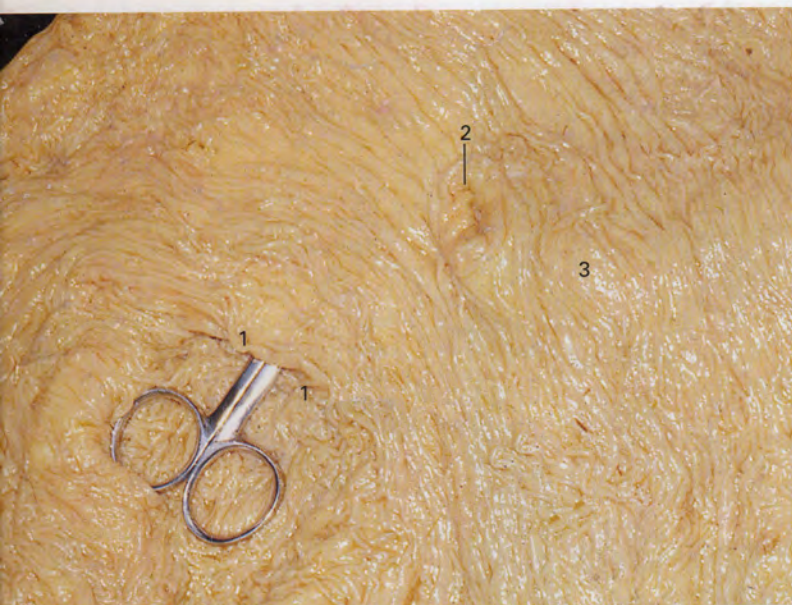
262. The caecum and ascending colon of a four-month-old foal. The organs have been removed from the abdomen and the sternal and diaphragmatic flexures have been straightened. The surfaces shown are normally lateral; thus the part on the left of the photograph lies against the right flank, and that on the right lies against the left flank.

- | | |
|--|---|
| 1 Base of the caecum | 8 Left ventral part of the ascending colon |
| 2 Beginning of the descending colon | 9 Lateral free muscular band |
| 3 Confluence of the ascending colon and the transverse colon | 10 Sternal flexure |
| 4 Diaphragmatic flexure | 11 Right ventral part of the ascending colon |
| 5 Left dorsal part of the ascending colon | 12 Apex of the caecum |
| 6 Pelvic flexure | 13 Body of the caecum |
| 7 Mesocolon | 14 Beginning of the right ventral part of the ascending colon |



263. The caecum and ascending colon of a four-month-old foal. The organs have been removed from the abdomen and the sternal and diaphragmatic flexures have been straightened. The surfaces shown normally face medially and are related to each other or to loops of the small intestine or descending colon.

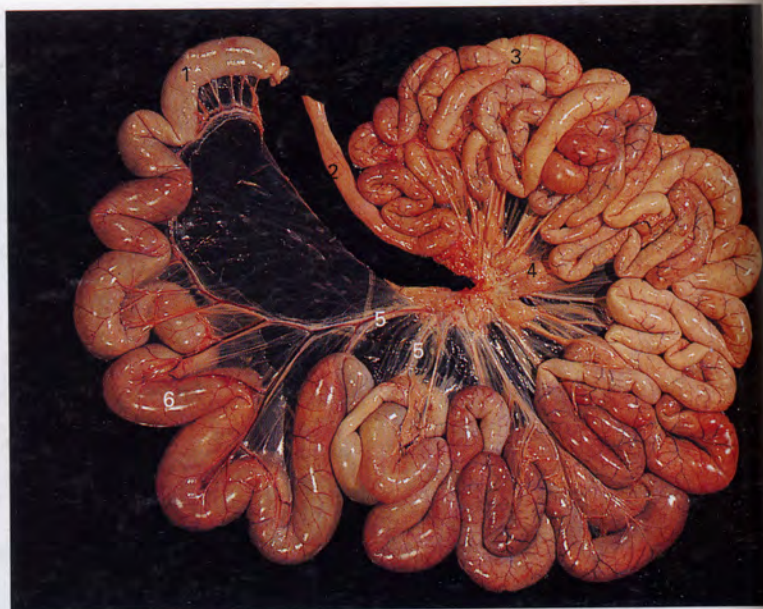
- | | |
|--|--|
| 1 Pelvic flexure | 10 Medial caecal artery |
| 2 Mesocolon | 11 Body of the caecum |
| 3 Left dorsal part of the ascending colon | 12 Apex of the caecum |
| 4 Diaphragmatic flexure | 13 Ileum |
| 5 Right colic artery | 14 Right ventral part of the ascending colon |
| 6 Medial free muscular band | 15 Sternal flexure |
| 7 Right dorsal part of the ascending colon close to the junction with the transverse colon | 16 Colic branch of the ileocolic artery |
| 8 Beginning of the descending colon | 17 Left ventral part of the ascending colon |
| 9 Base of the caecum | |



264. The base of the caecum of the horse opened from above to show the mucosa and its continuity with the ileum and right ventral colon.

1 The scissors lie in the caecocolic orifice which is a relatively large, slit-like opening

2 Ileocaecal orifice on a low projection
3 Artefactual ridge caused by the underlying ileum



265. The small intestine of a four-month-old foal removed from the abdomen and spread out as much as the mesentery will allow.

1 Terminal part of the ileum
2 Terminal part of the ascending duodenum
3 Beginning of the jejunum

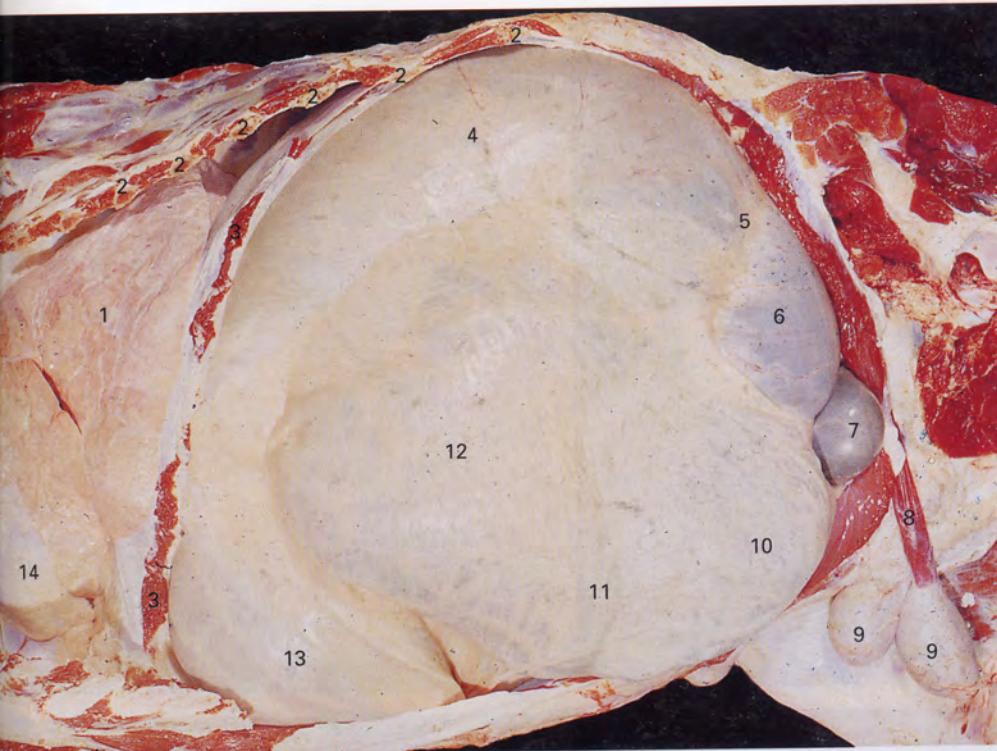
4 Mesenteric lymph nodes
5 Jejunal blood vessels
6 Terminal part of the jejunum



266. Ventrolateral view of the right dorsal part of the abdomen of a mare. The right lateral lobe of the liver has been reflected dorsally and the base of the caecum has been compressed and drawn a little ventrally.

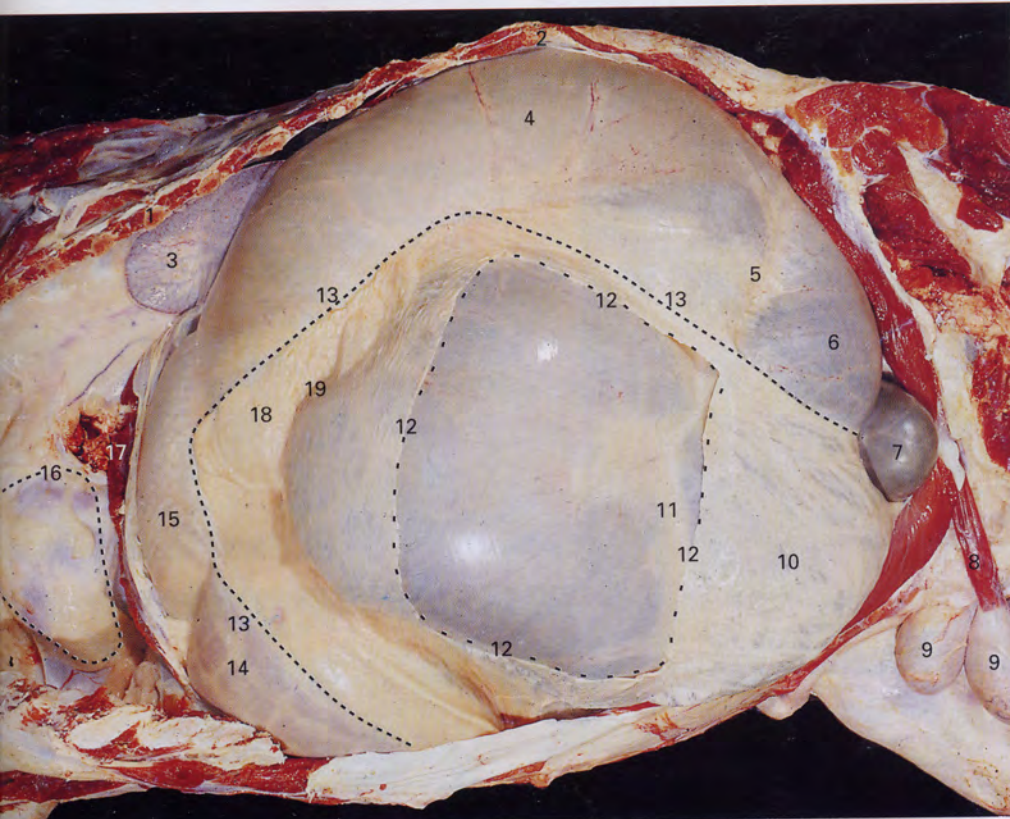
1 Cut dorsal end of rib 18
2 Right crus of the diaphragm in paramedian section
3 Extreme caudodorsal part of the pleural cavity
4 Caudate lobe of the liver
5 Visceral surface of the right lateral lobe of the liver
6 Position of the omental (epiploic) foramen
7 Duodenum
8 Right lobe of the pancreas

9 Base of the caecum
10 Mesoduodenum
11 Loop of the left dorsal part of the ascending colon
12 Uterine tube (oviduct)
13 Duodenal flexure
14 Ovary
15 Suspensory ligament of the ovary
16 Ventral surface of the right kidney



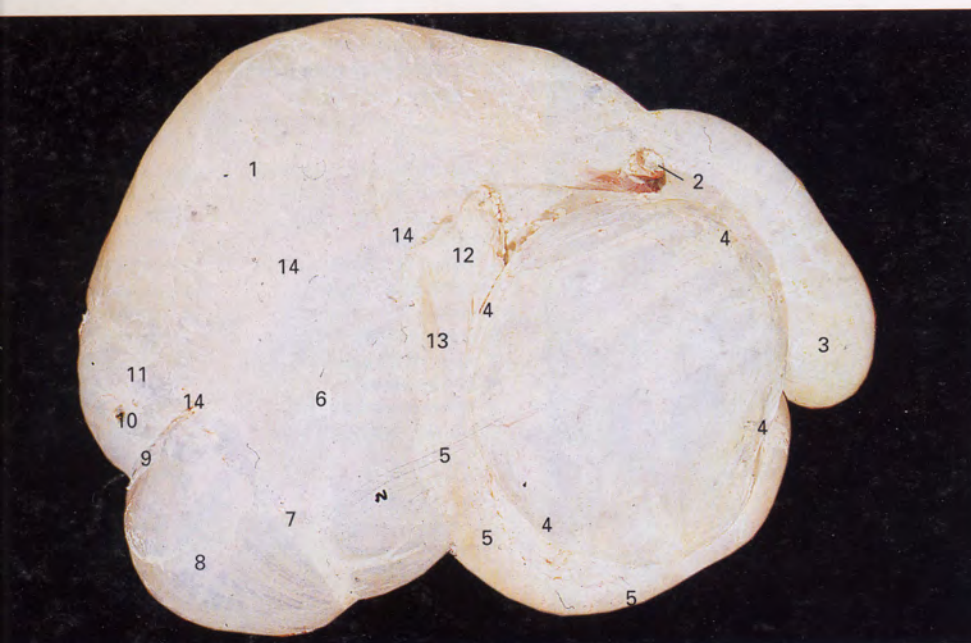
267. The abdomen and caudal part of the thorax of a young bull seen from the left side with the left body wall removed.

- | | |
|---|---|
| 1 Caudal lobe of the left lung | 10 Caudoventral blind sac covered by the superficial sheet of the greater omentum |
| 2 The cut ends of ribs 8-13 | 11 Left ventral coronary groove covered by the superficial sheet of the greater omentum |
| 3 The costal part of the diaphragm | 12 Ventral sac of the rumen covered by the superficial sheet of the greater omentum |
| 4 Dorsal sac of the rumen | 13 Body of the abomasum |
| 5 Left dorsal coronary groove | 14 Apex of the heart |
| 6 Caudodorsal blind sac | |
| 7 Apex of the caecum | |
| 8 M. cremaster | |
| 9 Testes covered by the internal spermatic fascia | |



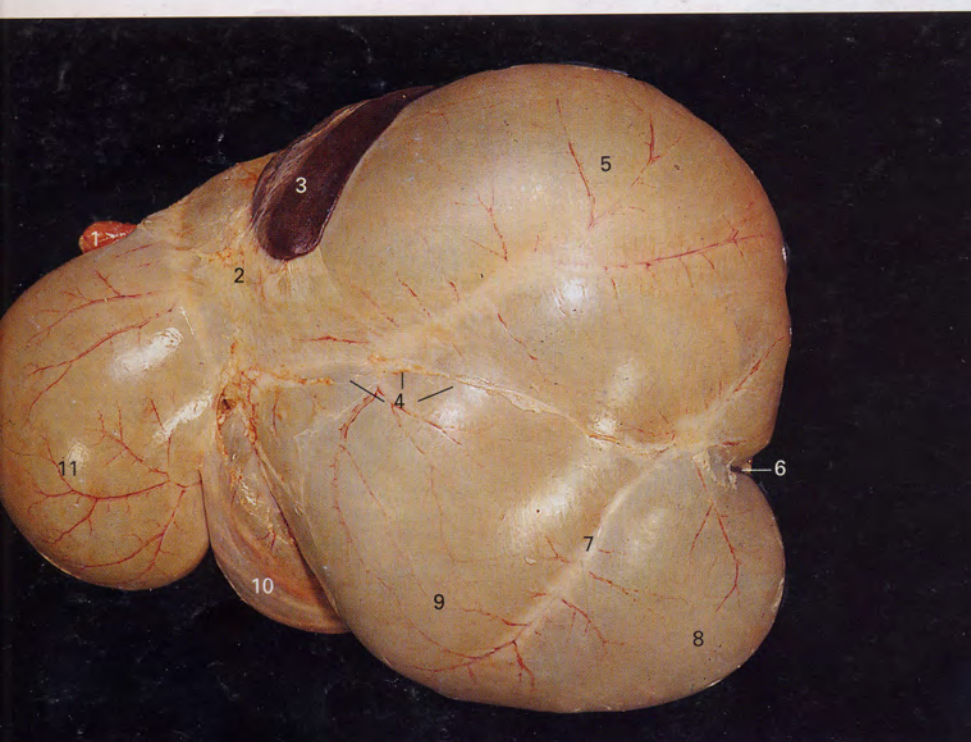
268. The bovine stomach *in situ* seen from the left side.

- | | |
|--|---|
| 1 Rib 8 | 13 Line of attachment of the greater omentum as seen on the left. It comes into view in the caudal groove, passes cranially along the left longitudinal groove, then crosses the atrium of the rumen to reach the greater curvature of the abomasum |
| 2 Rib 13 | 14 Body of the abomasum |
| 3 Spleen, reflected | 15 Reticulum |
| 4 Dorsal sac of the rumen | 16 Outline of the heart |
| 5 Left dorsal coronary groove | 17 Diaphragm |
| 6 Dorsal caudal blind sac | 18 Atrium of the rumen |
| 7 Apex of the caecum | 19 Cranial groove |
| 8 M. cremaster | |
| 9 Testes covered by the internal spermatic fascia | |
| 10 Caudoventral blind sac covered by the superficial sheet of the greater omentum | |
| 11 Left ventral coronary groove | |
| 12 Window cut in the superficial sheet of the greater omentum to reveal the ventral sac of the rumen | |



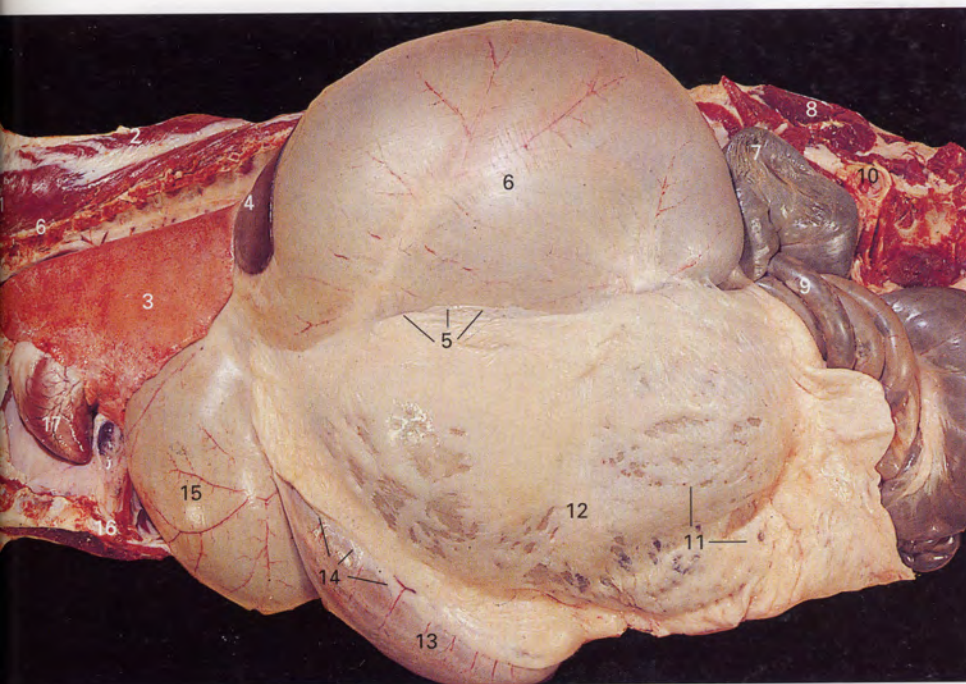
269. The stomach of a one-year-old bull seen from the right side.

- | | |
|---------------------------------|---------------------------------|
| 1 Dorsal sac of the rumen | 9 Caudal groove |
| 2 Oesophagus | 10 Caudodorsal blind sac |
| 3 Reticulum | 11 Right dorsal coronary groove |
| 4 Omasum | 12 Beginning of the duodenum |
| 5 Abomasum | 13 Pylorus |
| 6 Ventral sac of the rumen | 14 Right longitudinal groove |
| 7 Right ventral coronary groove | |
| 8 Caudoventral blind sac | |



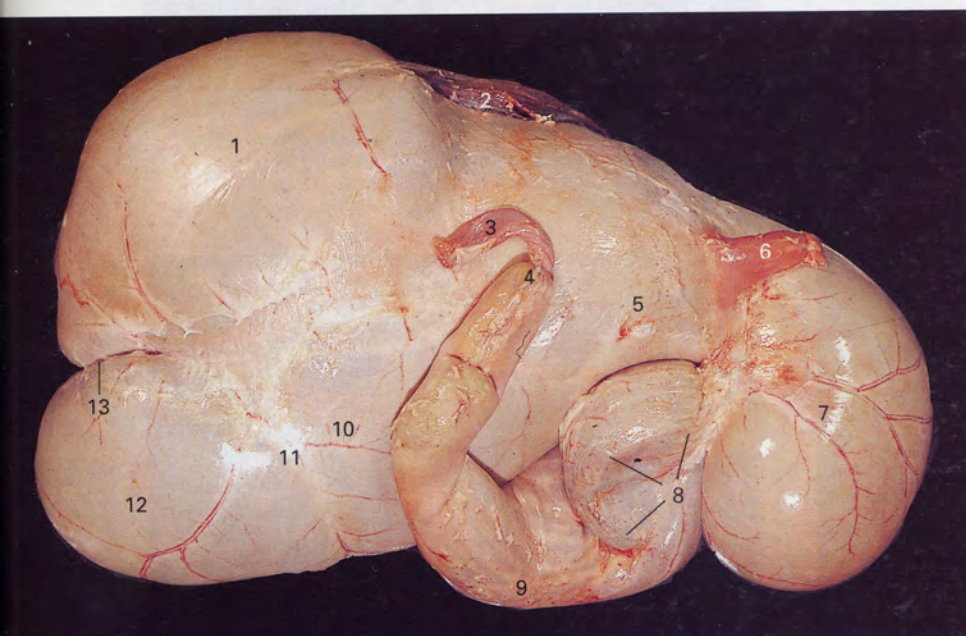
270. The stomach and spleen of a sheep seen from the left side. The omenta have been removed.

- | | |
|----------------------------------|--------------------------------|
| 1 Oesophagus | 7 Left ventral coronary groove |
| 2 Atrium of the rumen | 8 Caudoventral blind sac |
| 3 Parietal surface of the spleen | 9 Ventral sac of the rumen |
| 4 Left longitudinal groove | 10 Abomasum |
| 5 Dorsal sac of the rumen | 11 Reticulum |
| 6 Caudal groove | |



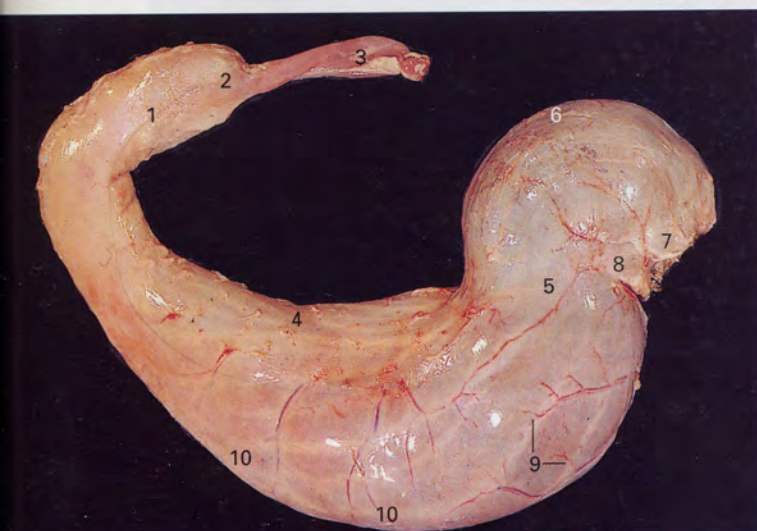
271. Left view of the contents of the thorax and abdomen of a sheep. The body wall has been removed and the diaphragm has been allowed to slip out of sight between the stomach and the left lung. The stomach is distended with gas which allows its compartments to be clearly distinguished but increases its size: this effect has been exaggerated by foreshortening.

- | | |
|---|---|
| 1 M. longissimus thoracis | 11 Superficial sheet of the greater omentum |
| 2 M. rhomboideus cervicis | 12 Ventral sac of the rumen covered by the superficial sheet of the greater omentum |
| 3 Caudal lobe of the left lung | 13 Body of the abomasum |
| 4 Parietal surface of the spleen | 14 Attachment of the superficial sheet of the greater omentum along the greater curvature of the abomasum |
| 5 Left longitudinal groove of the rumen and the attachment of the greater omentum | 15 Reticulum |
| 6 Dorsal sac of the rumen | 16 Xiphisternal cartilage cut longitudinally |
| 7 Part of the proximal loop of the ascending colon | 17 Left ventricle |
| 8 M. gluteus medius | |
| 9 Parts of the spiral loop of the ascending colon | |
| 10 Acetabulum | |



272. Right view of the stomach and spleen of a sheep. The omenta have been removed.

- | | |
|--|----------------------------------|
| 1 Dorsal sac of the rumen | 8 Omasum |
| 2 Dorsal end of the spleen | 9 Body of the abomasum |
| 3 Beginning of the descending duodenum | 10 Ventral sac of the rumen |
| 4 Pylorus | 11 Right ventral coronary groove |
| 5 Atrium of the rumen | 12 Caudoventral blind sac |
| 6 Oesophagus | 13 Caudal groove |
| 7 Reticulum | |



273. Left view of the omasum and abomasum of a sheep. The omenta have been removed.

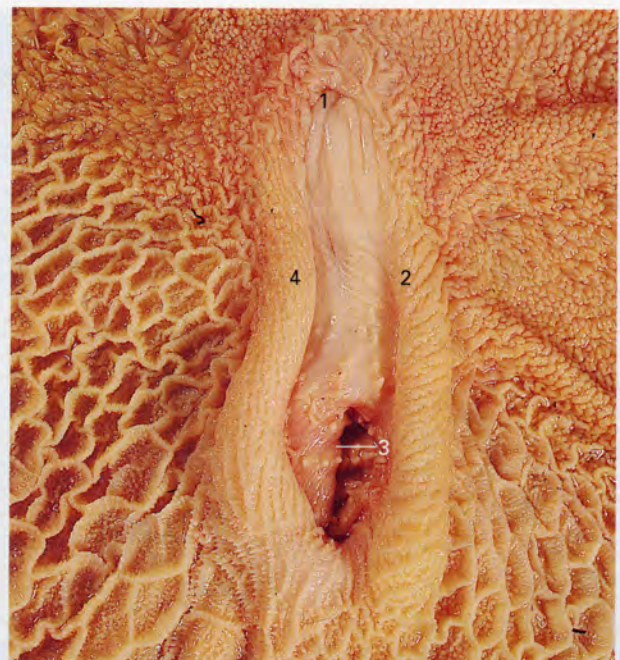
- | | |
|--|--|
| 1 Pyloric part of the abomasum | 7 Position of the reticulo-omasal orifice |
| 2 Pylorus | 8 Lesser curvature of the omasum |
| 3 Beginning of the descending duodenum | 9 Pale lines marking the attachments of the permanent mucosal folds on the inner surface |
| 4 Lesser curvature of the abomasum | 10 Greater curvature of the abomasum |
| 5 Position of the omaso-abomasal orifice | |
| 6 Greater curvature of the omasum | |

6 Viscera of the Thorax, Abdomen and Pelvis



274. The reticular groove of a cow. The normal twist in the groove was obliterated when the structure was placed on a flat surface.

- | | |
|-------------|---------------------------|
| 1 Cardia | 3 Reticulo-omasal orifice |
| 2 Right lip | 4 Left lip |



275. The reticular groove of a sheep. The normal twist in the groove was obliterated when the structure was placed on a flat surface.

- | | |
|-------------|---------------------------|
| 1 Cardia | 3 Reticulo-omasal orifice |
| 2 Right lip | 4 Left lip |



276. The interior of the right wall of the rumen of a one-year-old bull.

- | | |
|--------------------------------------|--|
| 1 Cranial pillar | 5 Island of the rumen (insula ruminis) |
| 2 Dorsal sac with short villi | 6 Caudal pillar |
| 3 Accessory part of the right pillar | 7 Beginning of the right ventral coronary pillar |
| 4 Right pillar | 8 Ventral sac with long villi |



277. The mucosa of the ventral sac of the rumen of a sheep.



278. The mucosa of the dorsal sac of the rumen of a sheep.



279. The mucosa of the reticulum of a sheep. The area shown is the most ventral part of the organ.

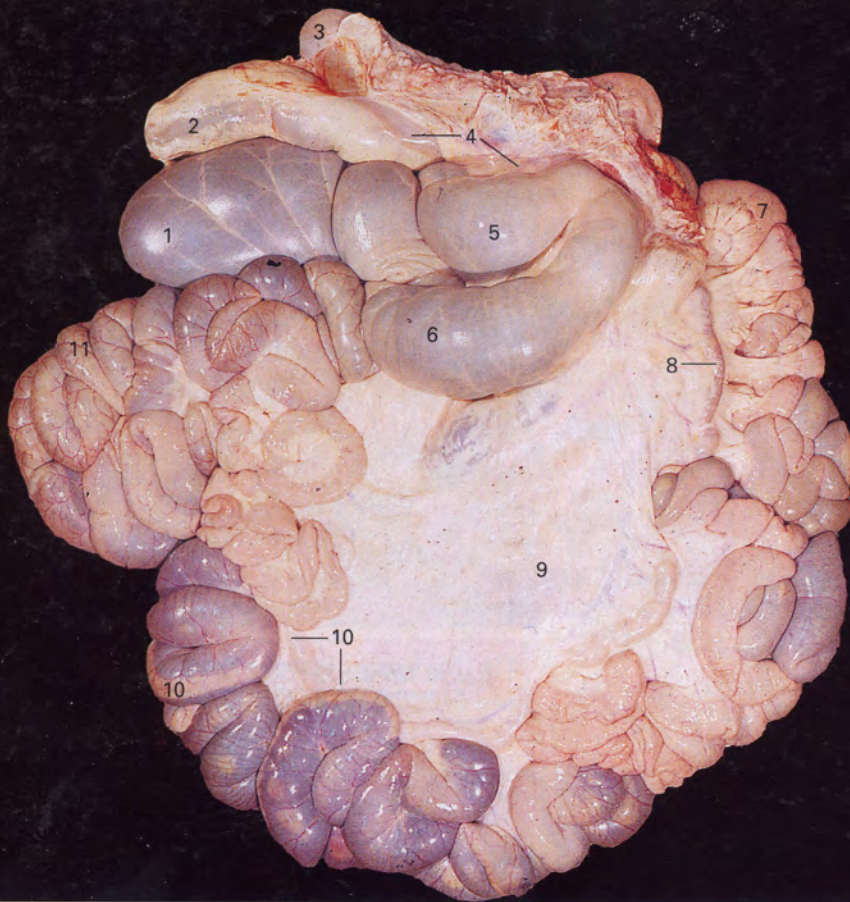


280. The mucosa of the omasum of a sheep. The greater curvature is to the left and the lesser curvature to the right. Moving from left to right, the edges of progressively larger mucosal folds can be seen.



281. The mucosa of the abomasum of a sheep showing some of the permanent folds.

282. Right view of the bovine intestinal mass.



- | | |
|--------------------------------------|---|
| 1 Apex of the caecum | 7 Beginning of the jejunum |
| 2 Distal loop of the ascending colon | 8 One of the mesenteric lymph nodes |
| 3 Descending colon | 9 Great mesentery |
| 4 Duodenum | 10 Aggregated lymphatic nodules (Peyer's patches) |
| 5 Latter part of the proximal loop | 11 Latter part of the jejunum |
| 6 Beginning of the proximal loop | |

283. Left view of the bovine intestinal mass.

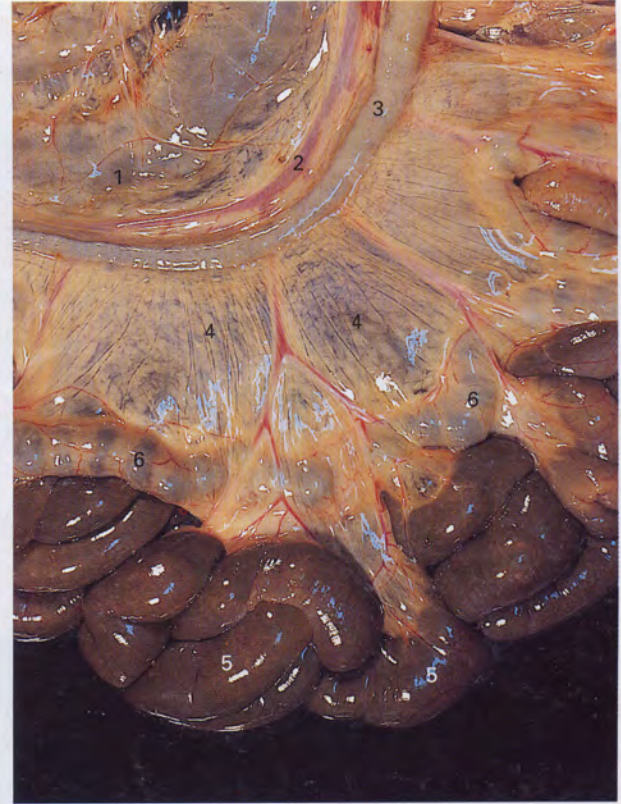


- | | |
|------------------------------|---|
| 1 Ascending duodenum | 7 Outermost centripetal coil of the spiral loop |
| 2 Descending colon | 8 Outermost centrifugal coil of the spiral loop |
| 3 Duodenal flexure | 9 One of the mesenteric lymph nodes |
| 4 Apex of the caecum | 10 Beginning of the jejunum |
| 5 Ileocaecal fold | |
| 6 Latter part of the jejunum | |



284. Right view of the intestinal mass of a sheep.

- | | |
|--|---|
| 1 Apex of the caecum | 5 Outermost centrifugal coil of the spiral loop |
| 2 The initial part of the proximal loop of the ascending colon | 6 Outermost centripetal coil of the spiral loop |
| 3 A mesenteric lymph node | 7 Distal part of the jejunum |
| 4 Proximal part of jejunum | |



285. Detail of the intestinal mass of a sheep seen from the right side.

- | | |
|---|---|
| 1 Part of the outermost centripetal coil of the spiral loop | 4 Mesentery containing a little fat; the fine radial lines are lymphatics |
| 2 Mesenteric veins; the accompanying arteries are devoid of blood and not easily seen | 5 Jejunum |
| 3 Part of a mesenteric lymph node | 6 Part of the outermost centrifugal coil of the spiral loop |

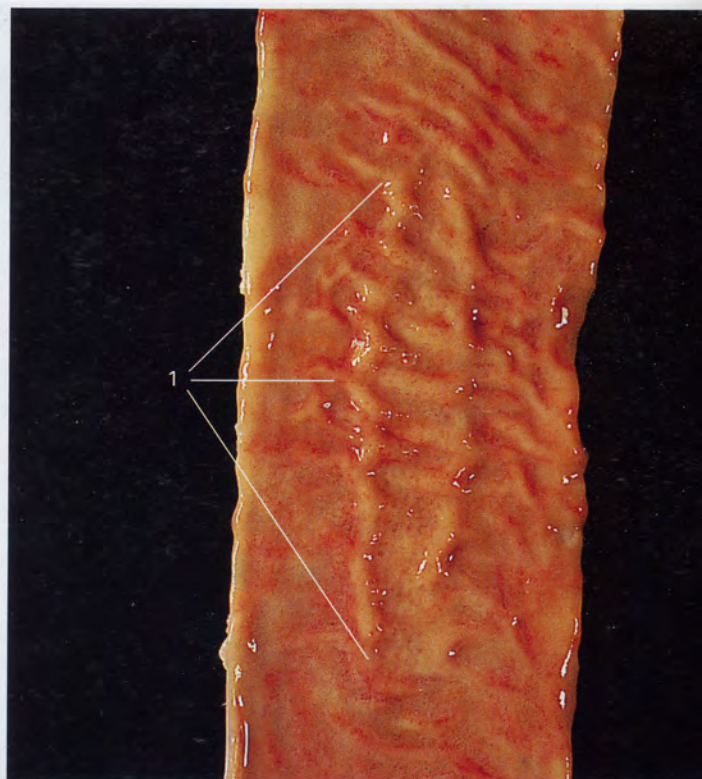


286. Left view of the intestinal mass of a sheep. The transverse colon and the descending colon were retained within the abdomen and are not seen in the specimen.

- | | |
|--|--|
| 1 Cut root of the mesentery | 9 Free edge of the ileocaecal fold |
| 2 Ascending duodenum | 10 Distal part of the jejunum |
| 3 Descending duodenum | 11 Mesenteric vessels |
| 4 Proximal loop of the ascending colon | 12 Outermost centrifugal coil of the spiral loop |
| 5 Beginning of the outermost centripetal coil of the spiral loop | 13 Proximal part of the jejunum |
| 6 Terminal part of the proximal loop of the ascending colon | 14 Centre of the spiral loop of the ascending colon |
| 7 Body of the caecum | 15 Beginning of the distal loop of the ascending colon |
| 8 Apex of the caecum | |



287. Loops of bovine small intestine showing aggregated lymphatic nodules (Peyer's patches) in (1) contracted and (2) relaxed segments.

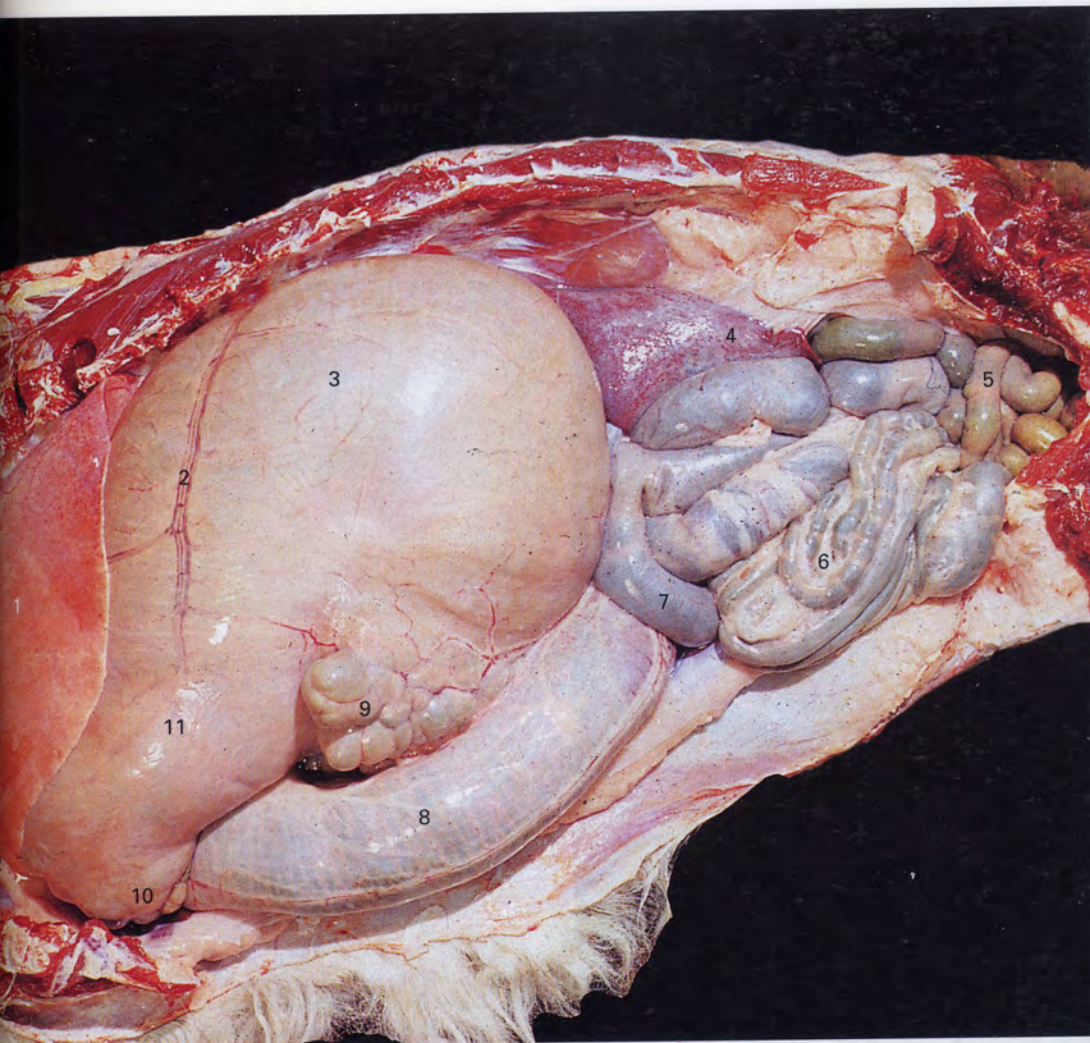


288. The mucosal surface of a section of the bovine jejunum opened along the mesenteric side (1) an aggregated lymphatic nodule (Peyer's patch).



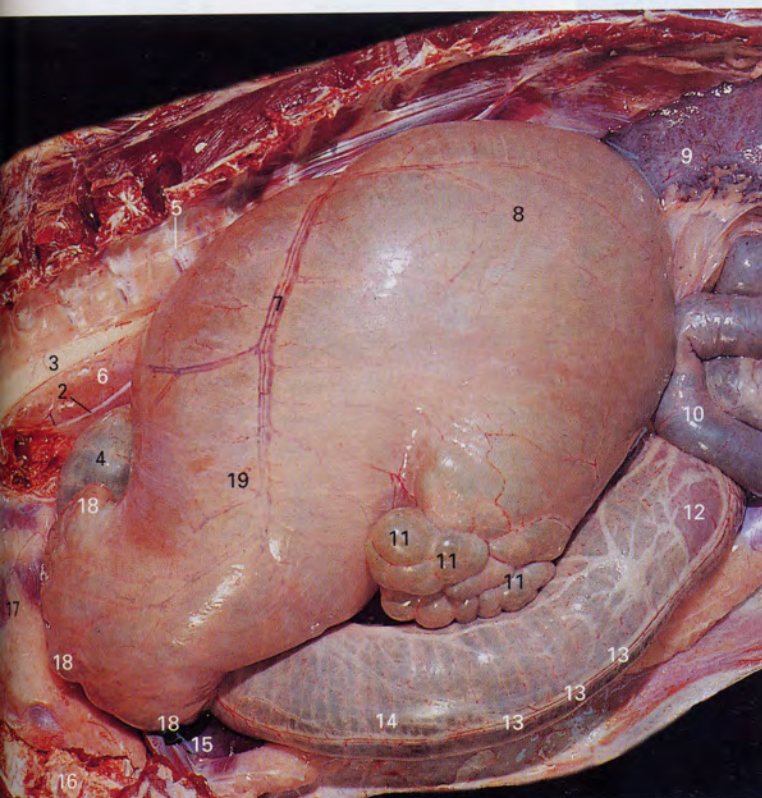
289. Left ventral view of the caudal abdominal and pelvic viscera of a ewe seen after removal of the body wall and most of the abdominal contents. The carcass is suspended as if in the standing position.

- | | |
|--|---|
| 1 Mesocolon | 10 M. gracilis |
| 2 Descending colon | 11 M. sartorius |
| 3 Free edge of the left broad ligament of the uterus | 12 Middle of the right horn of the uterus |
| 4 Beginning of the rectum | 13 Right broad ligament |
| 5 Left ovary | 14 Coils of the uterine tube (oviduct) |
| 6 Lateral ligament of the bladder | 15 Right ovary with a medium-sized ovarian follicle |
| 7 M. tensor fasciae latae | 16 Caudal mesenteric vein |
| 8 Bladder | |
| 9 Body of the uterus | |



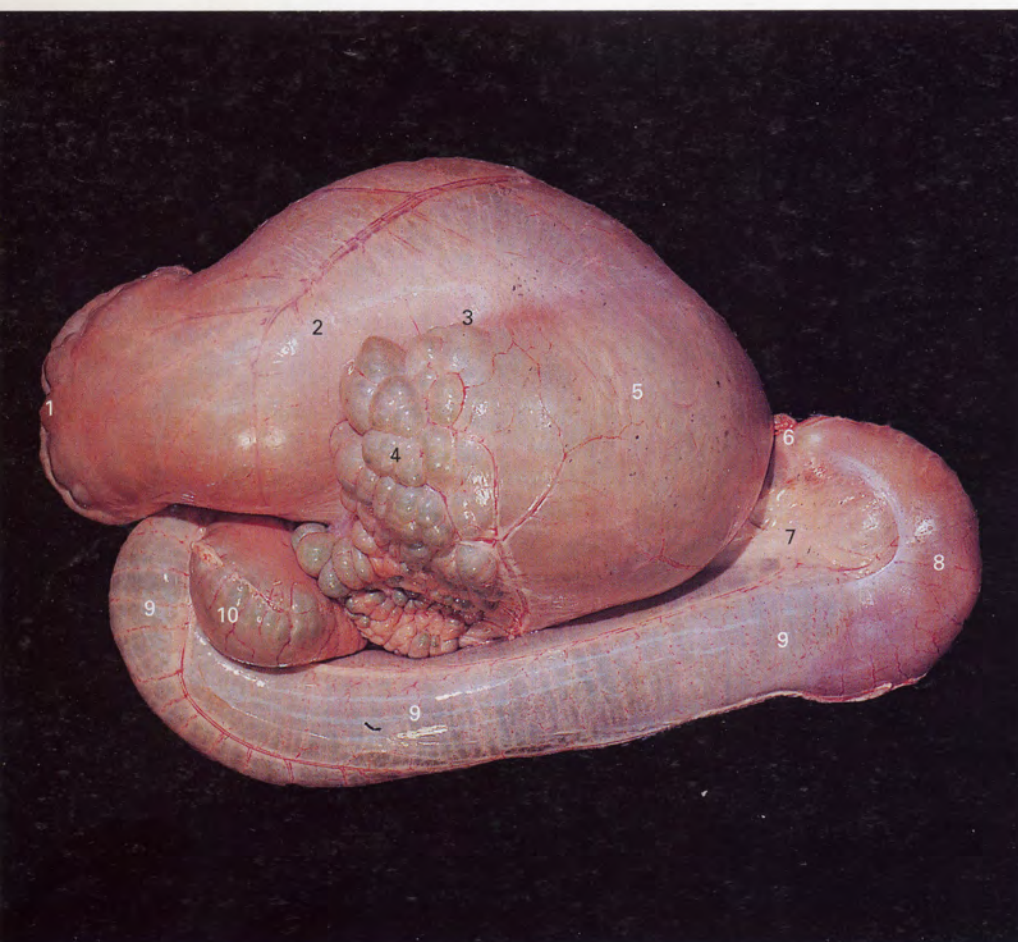
290. Left view of the caudal thoracic and abdominal contents of a llama *in situ*. The left body wall has been removed; the cut edge of the diaphragm is concealed between the lung and stomach.

- | | |
|--|---|
| 1 Caudal lobe of the left lung | 8 Third compartment of the stomach covered by the semitransparent greater omentum |
| 2 Branches of the coeliac artery and portal vein | 9 Caudal group of glandular saccules |
| 3 First compartment of the stomach | 10 Cranial group of glandular saccules, just visible in profile |
| 4 Spleen | 11 Cranioventral part of the first compartment of the stomach |
| 5 Loops of jejunum | 12 Pericardium |
| 6 Spiral part of the ascending colon | |
| 7 Wide proximal part of the ascending colon | |



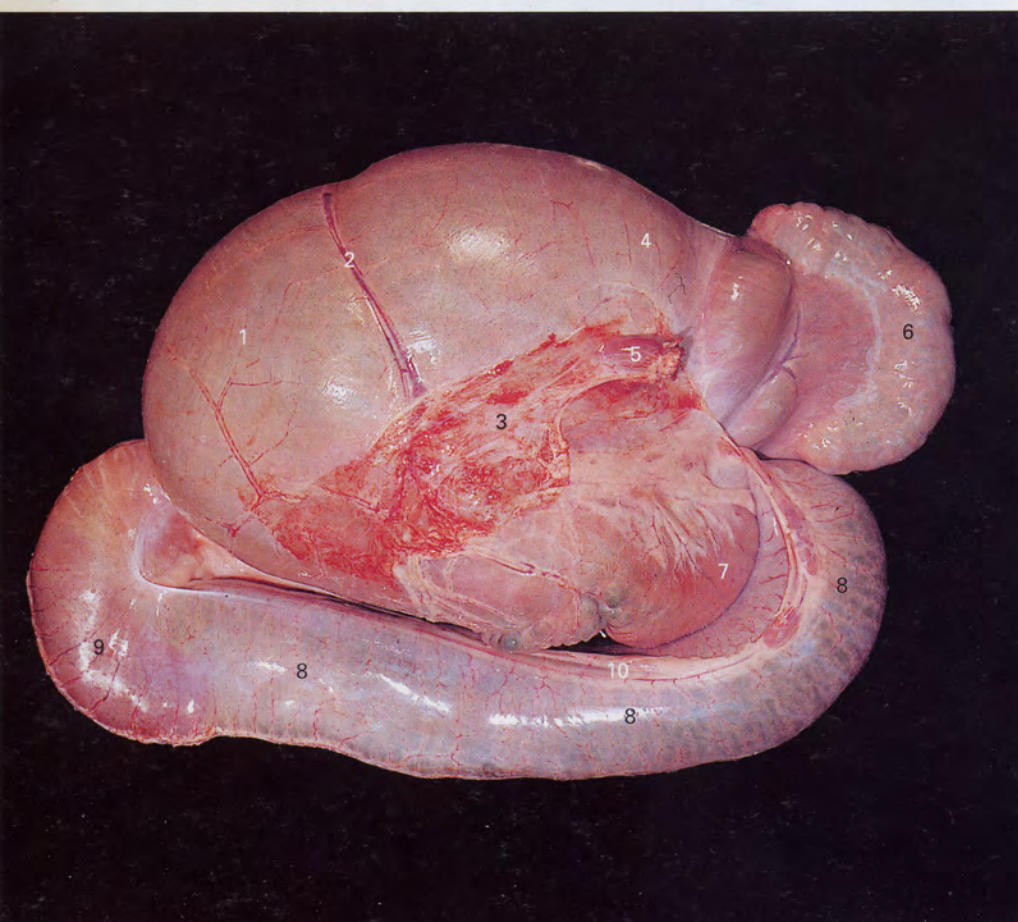
291. A llama stomach and related structures *in situ* seen from the left side. The diaphragm has been removed.

- | | |
|---|--|
| 1 Cut left principal bronchus | 13 Line of attachment of the greater omentum |
| 2 Dorsal trunk of the left vagus nerve | 14 Middle part of the third compartment seen through the semitransparent greater omentum |
| 3 Aorta | 15 Liver |
| 4 Proximal end of the third compartment | 16 Cut costal cartilages 6 and 7 |
| 5 Sympathetic trunk | 17 Pericardium covering the heart |
| 6 Oesophagus | 18 Glandular saccules of the cranial sac of the first compartment, seen in profile |
| 7 Branches of the coeliac artery and portal vein | 19 Cranial sac of the first compartment |
| 8 Caudal sac of the first compartment | |
| 9 Spleen | |
| 10 Wide proximal part of the ascending colon | |
| 11 Glandular saccules of the caudal sac of the first compartment | |
| 12 Terminal part of the third compartment with its distinctive colour provided by the true gastric glands | |



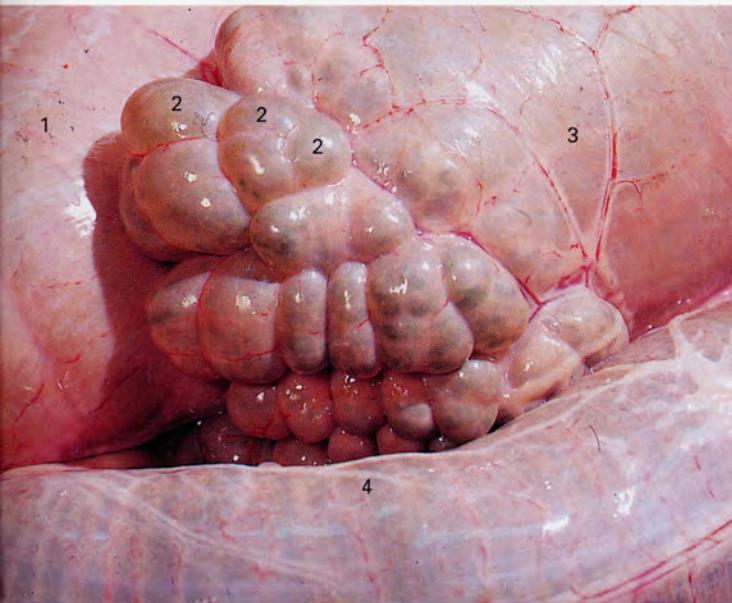
292. Left view of the stomach of a llama. It is somewhat dilated by gastric gas.

- | | |
|--|---|
| 1 Glandular sacculles of the cranial sac of the first compartment, seen in profile | 6 Pylorus |
| 2 Cranial sac of the first compartment | 7 Lesser omentum attached to the lesser curvature of the preterminal flexure of the third compartment |
| 3 Left end of the groove separating the cranial and caudal sacs of the first compartment | 8 Terminal part of the third compartment lined by proper gastric glands |
| 4 Glandular sacculles of the caudal sac of the first compartment | 9 Part of the third compartment with a mucous lining but no proper gastric glands |
| 5 Caudal sac of the first compartment | 10 Second compartment |



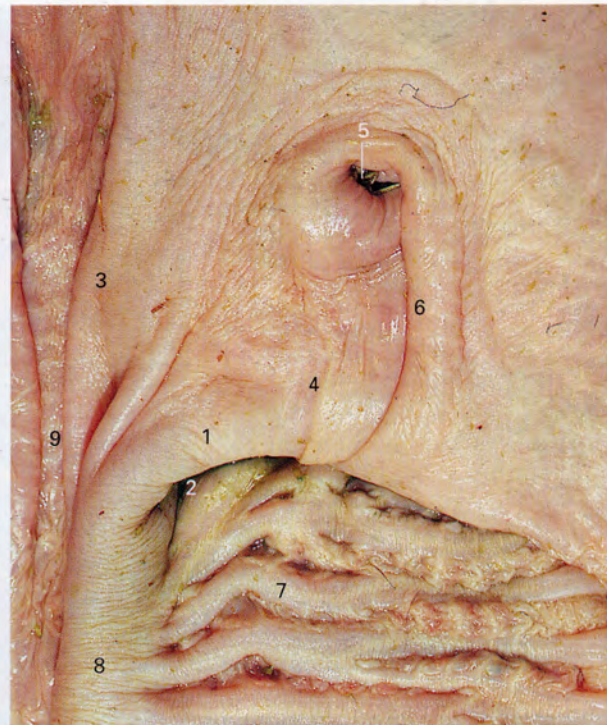
293. Right view of the stomach of a llama. It is somewhat dilated by gastric gas.

- | | |
|---|---|
| 1 Caudal sac of the first compartment | 8 Part of the third compartment with a mucous lining but no proper gastric glands |
| 2 Branches of the coeliac artery and the portal vein | 9 Terminal part of the third compartment lined by true gastric glands; the pyloric region of the stomach has been tucked behind the caudal sac of the first compartment to give a better view of the latter structure |
| 3 Area of attachment to the left abdominal roof | 10 Line of attachment of the lesser omentum |
| 4 Cranial sac of the first compartment | |
| 5 Cardia and the terminal part of the oesophagus | |
| 6 Glandular sacculles of the cranial sac of the first compartment seen in profile | |
| 7 Second compartment | |



294. Detail of the glandular sacculles of the caudal sac of the first compartment of a llama stomach seen from the serosal surface.

- | | |
|--|--|
| 1 Cranial sac of the first compartment | 3 Caudal sac of the first compartment |
| 2 Glandular sacculles | 4 Middle part of the third compartment |



295. The mucosal surface of a llama stomach showing the cardia, the gastric groove and some of the glandular sacculles of the caudal sac of the first compartment. The top of the photograph is craniodorsal.

- | | |
|--|--|
| 1 Caudal branch of the transverse pillar | 6 Muscular lip of the gastric groove |
| 2 Opening from the first to the second compartment | 7 Glandular sacculles of the caudal sac of the first compartment |
| 3 Cranial branch of the transverse pillar | 8 Transverse pillar |
| 4 Membranous lip of the gastric groove | 9 Mucosa of the cranial sac of the first compartment |
| 5 Cardia | |



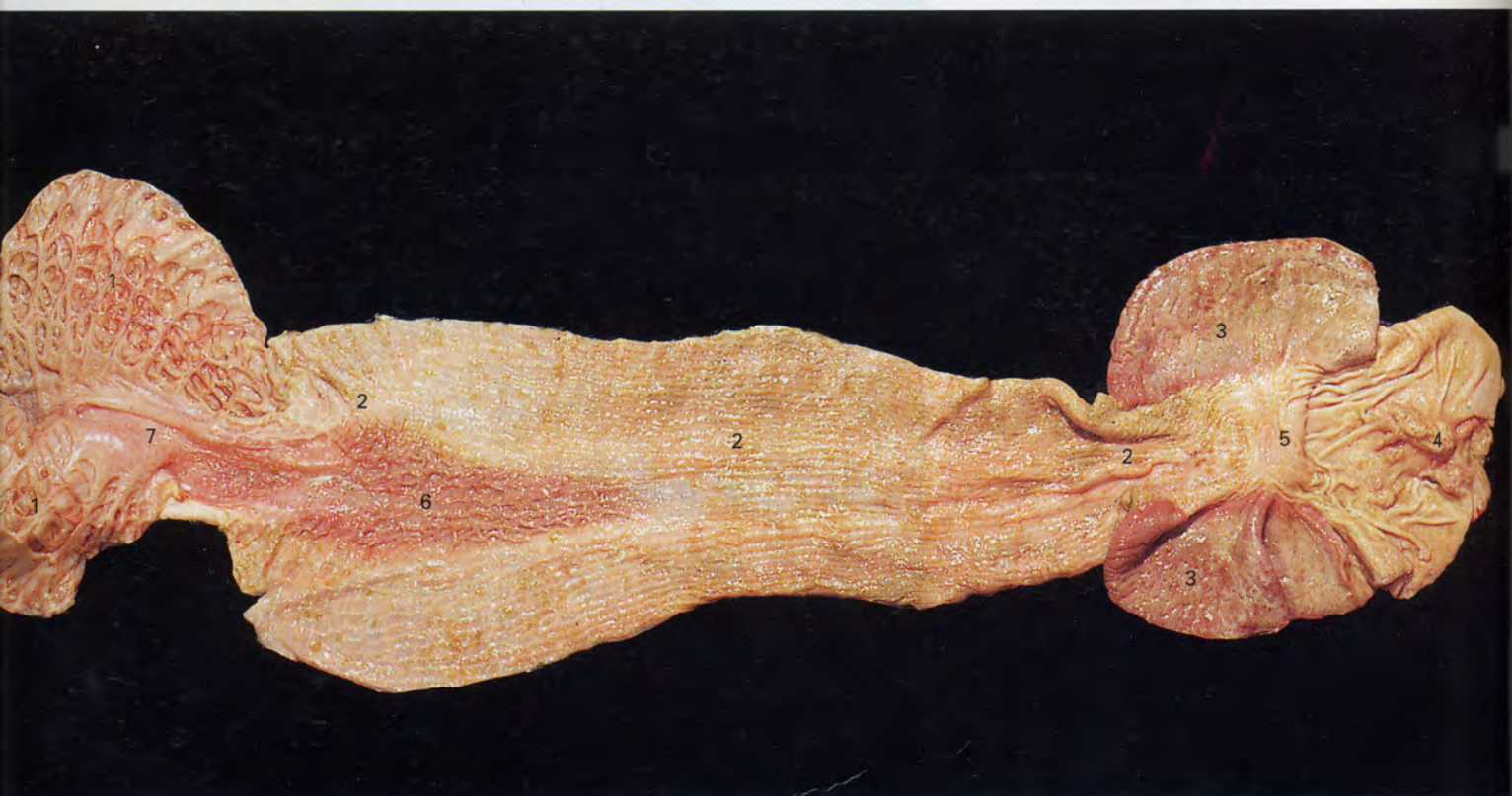
296. The mucosal surface of a llama stomach showing the sacculles of the caudal sac of the first compartment. The top of the photograph is craniodorsal. (Initially this would seem to conflict with the orientation of the previous photograph but because the structures are curved, both statements are reasonable approximations.)

- | | |
|---|---|
| 1 Mucosa of the cranial sac of the first compartment | 5 Caudal branch of the transverse pillar |
| 2 Transverse pillar separating the ventral parts of the cranial and caudal sacs of the first compartment | 6 Membranous lip of the gastric groove |
| 3 Primary crests separating the sacculles. The secondary crests pass between the primary crests and are perpendicular to them | 7 Cranial branch of the transverse pillar |
| 4 Opening from the first to the second compartment | 8 Muscular lip of the gastric groove |
| | 9 Mucosa of the caudal sac of the first compartment |



297. The mucosal surface of the second gastric compartment of a llama. The organ was opened along its greater curvature and is continuous with the first compartment on the left and third compartment on the right.

- | | |
|---|---|
| 1 Mucosa of the cranial sac of the first compartment | 8 Position of the opening from the first to the second compartment |
| 2 Glandular sacculi of the cranial sac of the first compartment | 9 Most craniodorsal of the primary crests related to the glandular sacculi of the caudal sac of the first compartment |
| 3 Cranial branch of the transverse pillar | 10 Glandular sacculi of the caudal sac of the first compartment |
| 4 Glandular cells of the cranial wall of the second compartment | 11 Transverse pillar |
| 5 Part of the mucosa of the third compartment bearing reticular mucosal pleats | 12 Cut caudal branch of the transverse pillar |
| 6 Part of the mucosa of the third compartment bearing longitudinal mucosal pleats | 13 Position of the opening from the second to the third compartment |
| 7 Glandular cells of the caudal wall of the second compartment | |



298. The second and third compartments of a llama stomach opened along the greater curvature.

- | | |
|--|--|
| 1 Second compartment | 5 Position of the preterminal flexure |
| 2 Part of the mucosa of the third compartment bearing numerous longitudinal mucosal pleats | 6 Part of the mucosa of the third compartment bearing reticular mucosal pleats |
| 3 Part of the mucosa of the third compartment bearing proper gastric glands | 7 Continuation of the gastric groove within the second compartment |
| 4 Torus of the pylorus | |



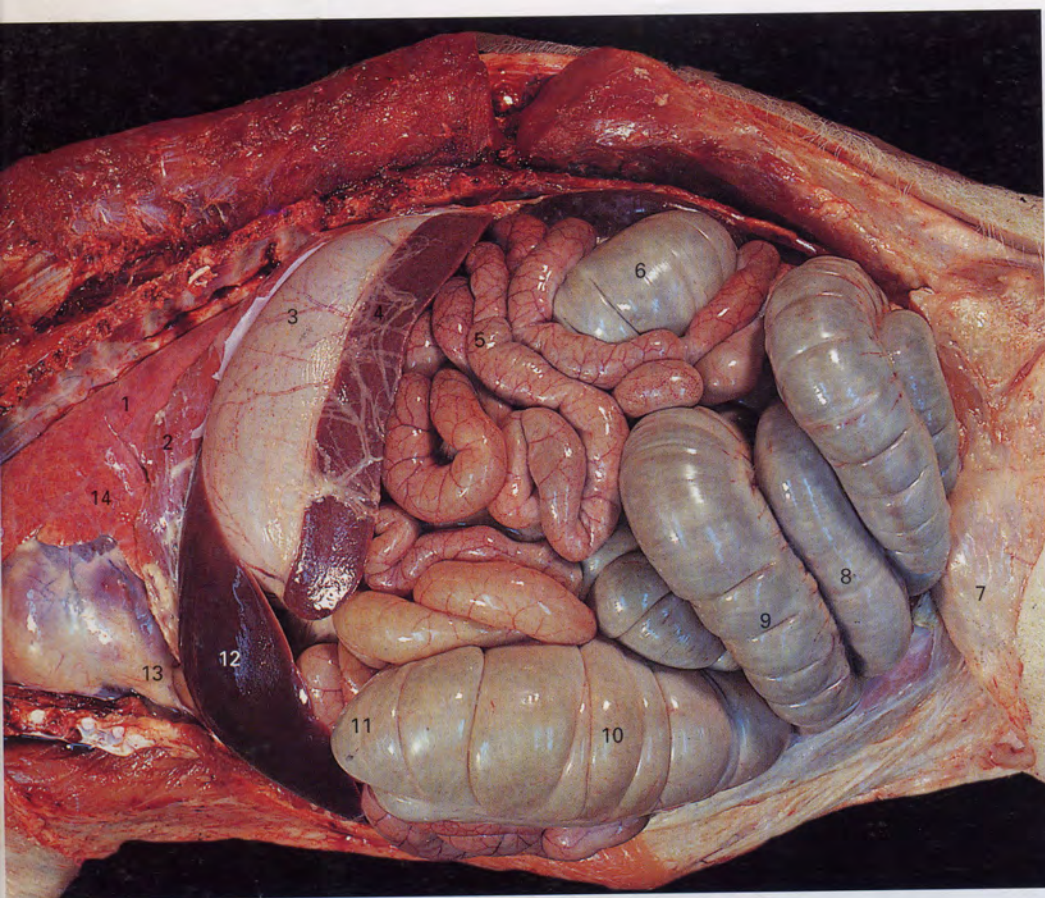
299. Right view of the ileum and ascending colon of a llama after being laid flat. Contrary to expectation, the mesocolon of the outer coil and the central spiral are not adherent.

- | | |
|--|---|
| 1 Apex of the caecum | 8 First centripetal coil of the spiral colon |
| 2 Ileocaecal fold | 9 Junction of the centripetal and centrifugal coils |
| 3 Terminal part of the ileum | 10 Beginning of the transverse colon |
| 4 Caecocolic junction | 11 Part of the mesentery |
| 5 Proximal part of the ascending colon | |
| 6 Mesocolon | |
| 7 Colic vessels | |



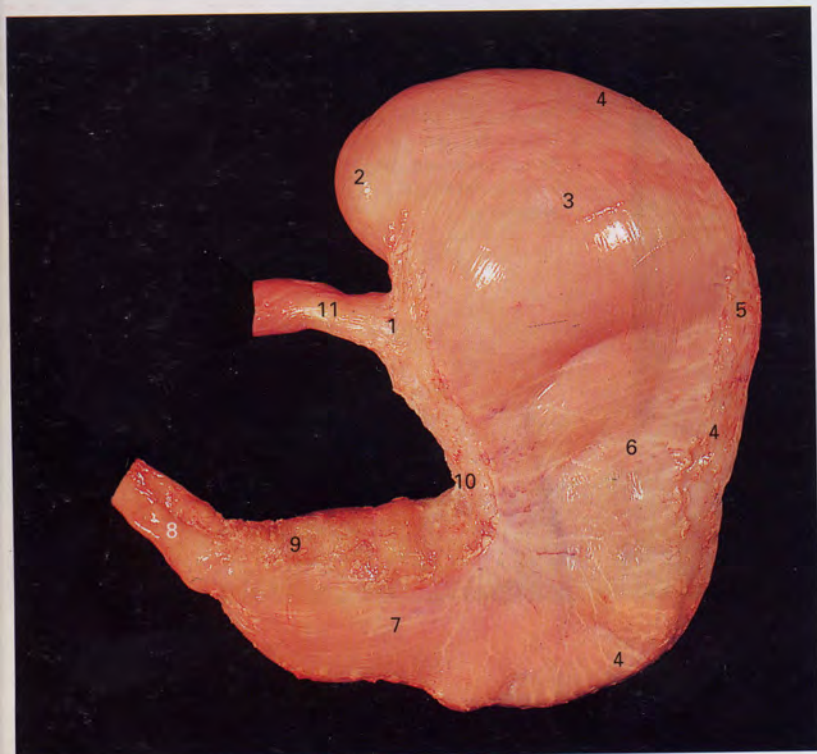
300. Part of the small intestine of a llama showing parts of the descending colon embedded in the base of the mesentery.

- | | |
|---|--------------------------|
| 1 Beginning of the rectum | 4 Mesenteric vessels |
| 2 Descending duodenum | 5 Jejunum |
| 3 Part of the descending colon fused to the mesentery | 6 Mesenteric lymph nodes |



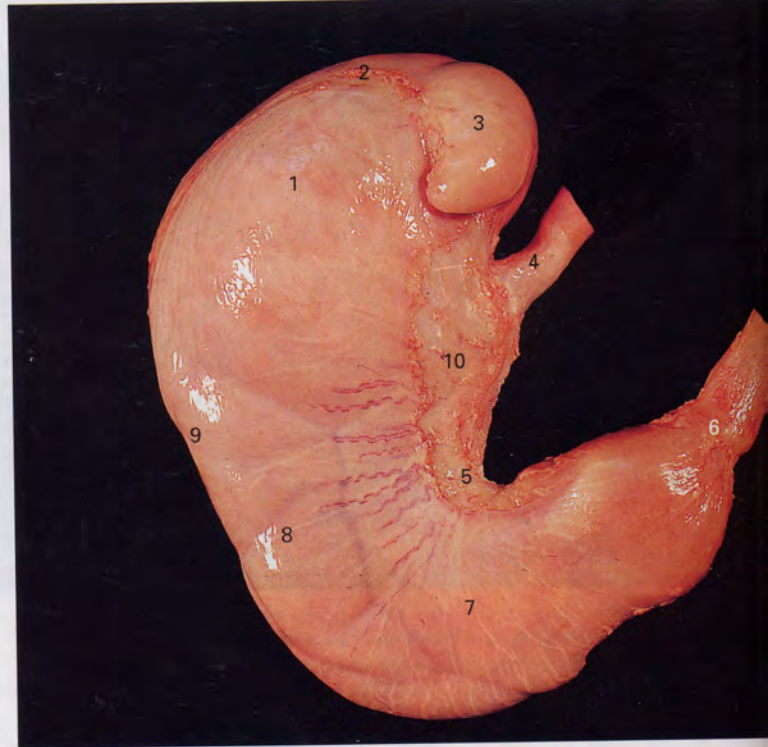
301. The abdominal viscera of a pig *in situ* seen from the left side.

- | | |
|--|---|
| 1 Caudal lobe of the left lung | 8 Centrifugal coil of the ascending colon |
| 2 Costal part of the diaphragm reflected cranially | 9 Centripetal coil of the ascending colon |
| 3 Stomach | 10 Body of the caecum |
| 4 Spleen, partially covered on its parietal surface by a fold of the greater omentum | 11 Apex of the caecum |
| 5 Loops of small intestine | 12 Left lateral lobe of the liver |
| 6 Part of the first centripetal coil of the ascending colon | 13 Apex of the heart seen through the pericardium |
| 7 Stifle joint | 14 Caudal division of the cranial lobe of the left lung |



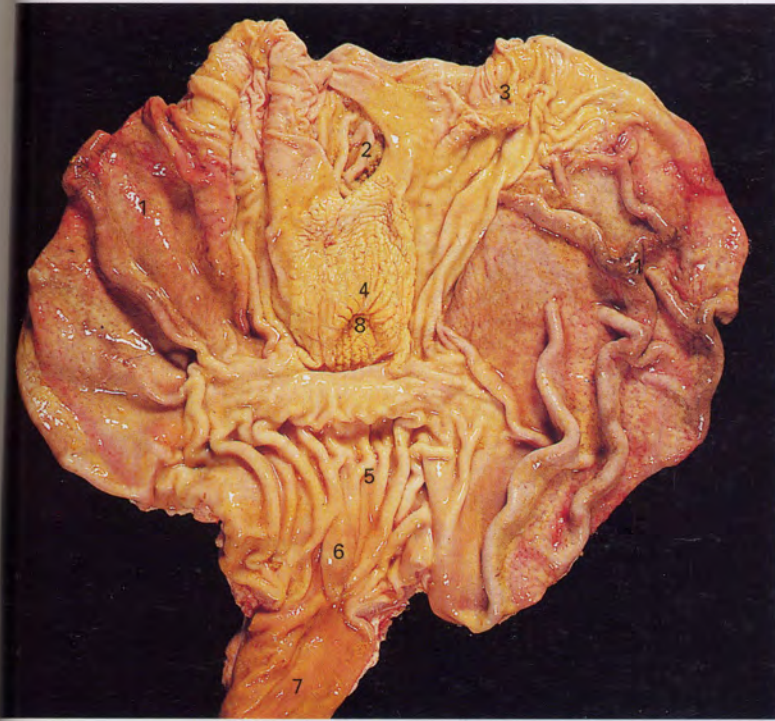
302. The parietal surface of a porcine stomach.

- | | |
|---|--|
| 1 Cardia | 7 Pyloric region |
| 2 Diverticulum | 8 Pylorus |
| 3 Fundus | 9 Line of attachment of the lesser omentum |
| 4 Greater curvature | 10 Lesser curvature |
| 5 Line of attachment of the greater omentum | 11 Oesophagus |
| 6 Body of the stomach | |



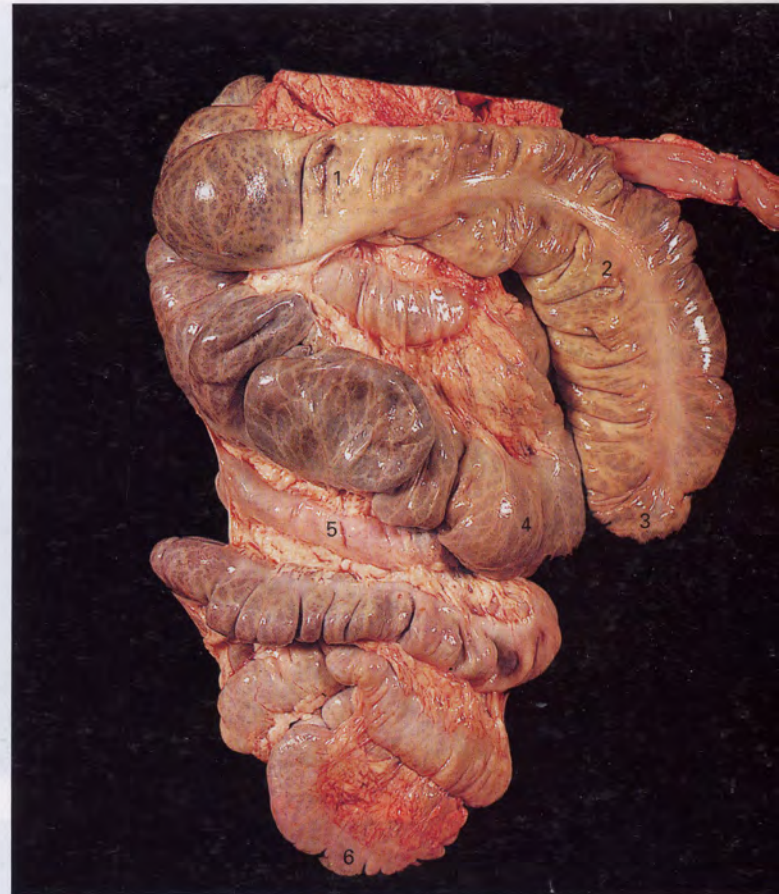
303. The visceral surface of a porcine stomach.

- | | |
|---|---|
| 1 Fundus | 7 Pyloric region |
| 2 Line of attachment of the greater omentum | 8 Body of the stomach |
| 3 Diverticulum | 9 Greater curvature |
| 4 Oesophagus | 10 Line of attachment of the lesser omentum |
| 5 Lesser curvature | |
| 6 Pylorus | |



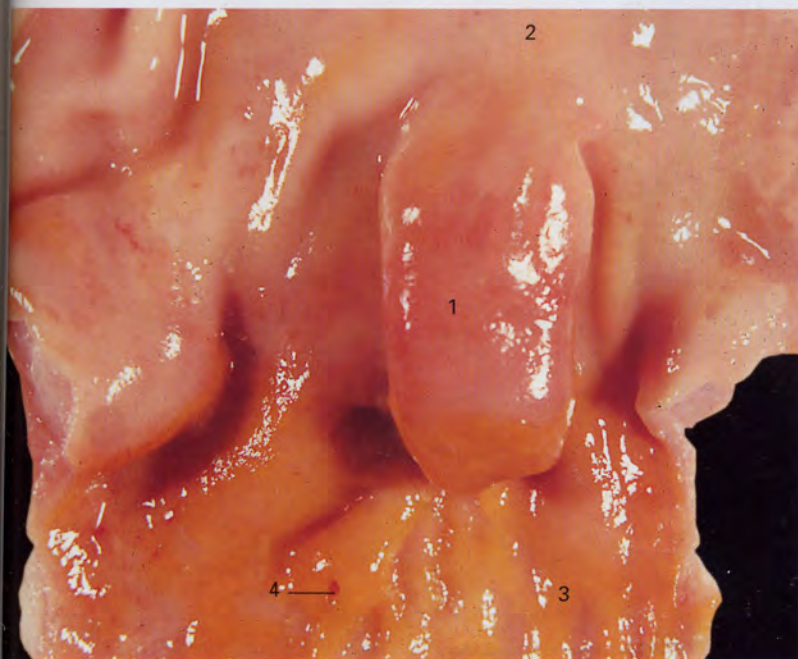
304. The mucosal surface of a porcine stomach. The organ has been opened along the greater curvature.

- | | |
|---|--|
| 1 Gastric gland region | 5 Pyloric gland region |
| 2 Diverticulum | 6 Pyloric torus lying within the pyloric opening |
| 3 Cardiac gland region | 7 Duodenal mucosa |
| 4 Area of cornified epithelium surrounding the cardia | 8 Cardia |



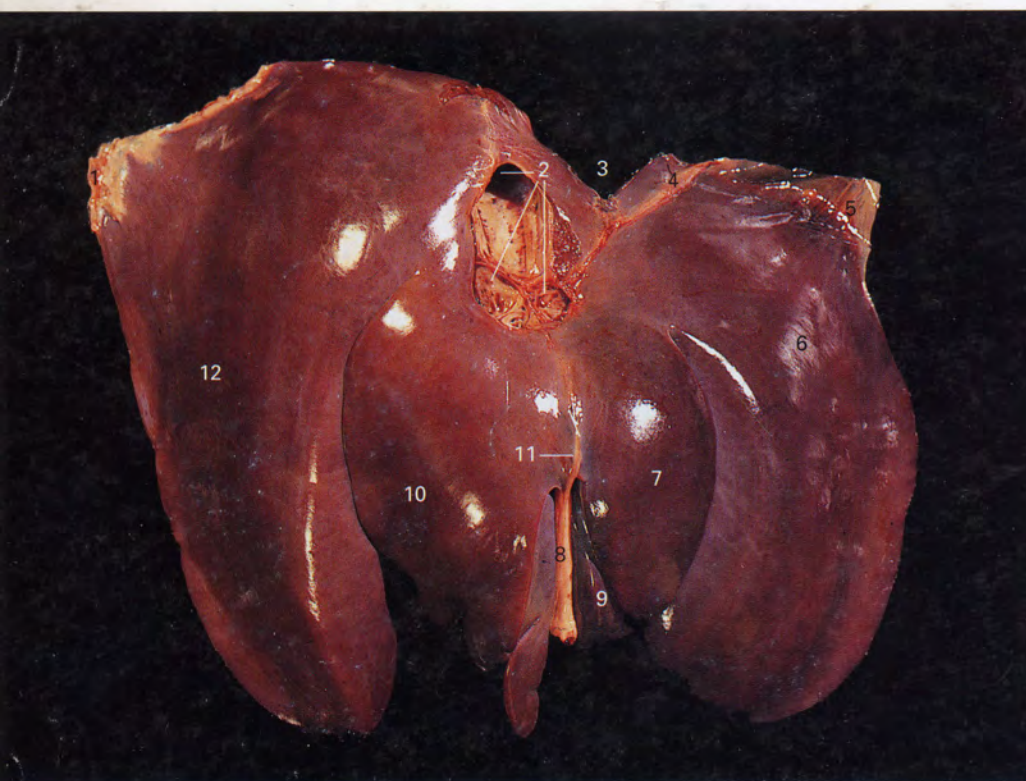
306. The spiral ascending colon of a pig seen from the left side. The structure can rotate somewhat about its axis but this is a common orientation.

- | | |
|---|-----------------------------|
| 1 Position where the caecum and ascending colon merge | 3 Apex of the caecum |
| 2 Body of the caecum | 4 First centripetal coil |
| | 5 Adjacent centrifugal coil |
| | 6 Apex of the spiral colon |



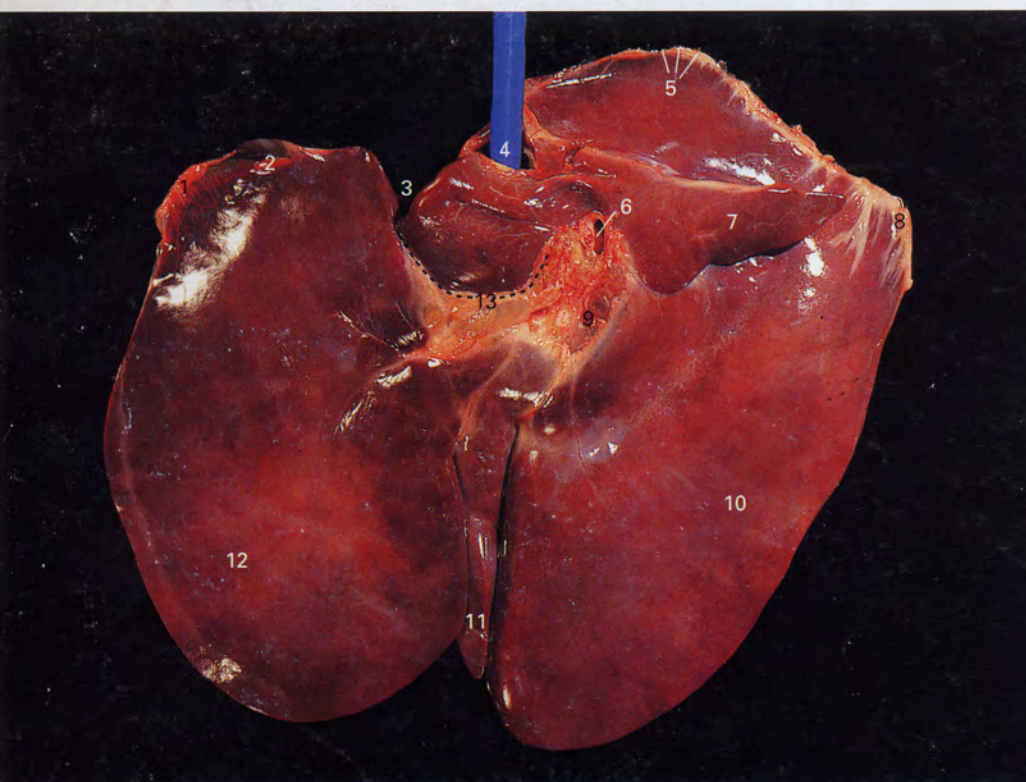
305. Detail of the mucosa of the pyloric region of a porcine stomach.

- | | |
|---------------------------------------|--|
| 1 Pyloric torus | 4 Opening of the bile duct on the major duodenal papilla |
| 2 Pyloric gland region of the stomach | |
| 3 Duodenal mucosa stained with bile | |



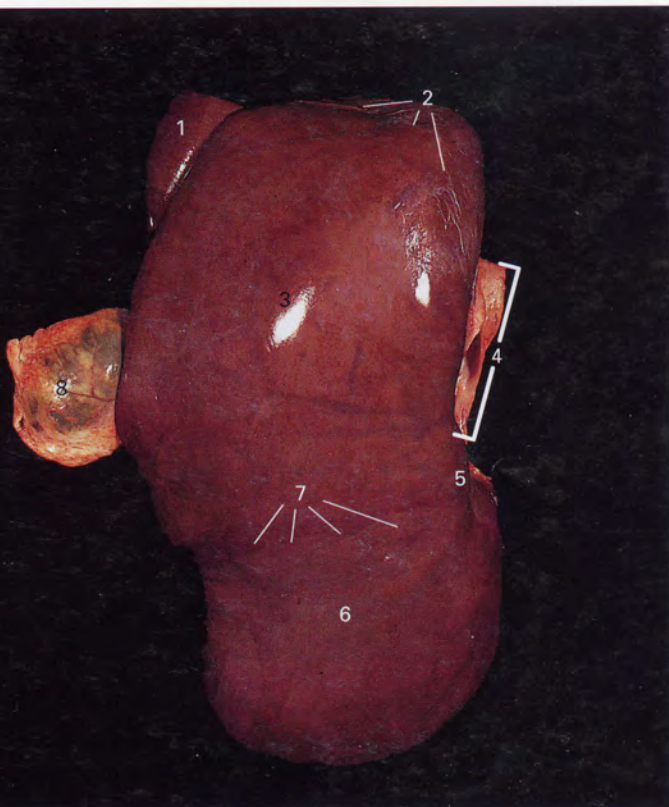
307. The parietal surface of the liver of a four-month-old foal.

- | | |
|--|--|
| 1 Right triangular ligament | 7 Left medial lobe |
| 2 Caudal vena cava passing cranioventrally through the liver; numerous hepatic veins of various sizes can be seen joining it | 8 Falciform ligament containing the remnant of the umbilical vein in its free edge |
| 3 Oesophageal notch | 9 Quadrate lobe |
| 4 Left coronary ligament | 10 Right medial lobe |
| 5 Left triangular ligament | 11 Line of attachment of the falciform ligament |
| 6 Left lateral lobe | 12 Right lateral lobe |



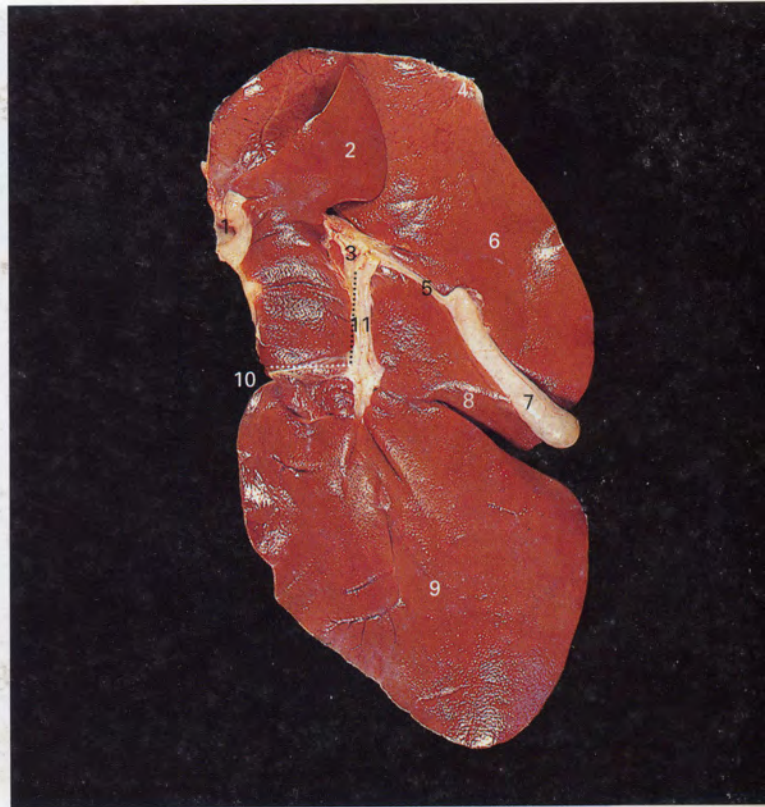
308. The visceral surface of the liver of a four-month-old foal. A blue plastic rod has been inserted into the caudal vena cava to make its position clear.

- | | |
|----------------------------------|---|
| 1 Left triangular ligament | 8 Right triangular ligament |
| 2 Left coronary ligament | 9 Hepatic lymph nodes at the porta of the liver |
| 3 Oesophageal notch | 10 Right lateral lobe |
| 4 Caudal vena cava | 11 Quadrate lobe |
| 5 Right coronary ligament | 12 Left lateral lobe |
| 6 Portal vein entering the liver | 13 Line of attachment of the lesser omentum |
| 7 Caudate lobe | |



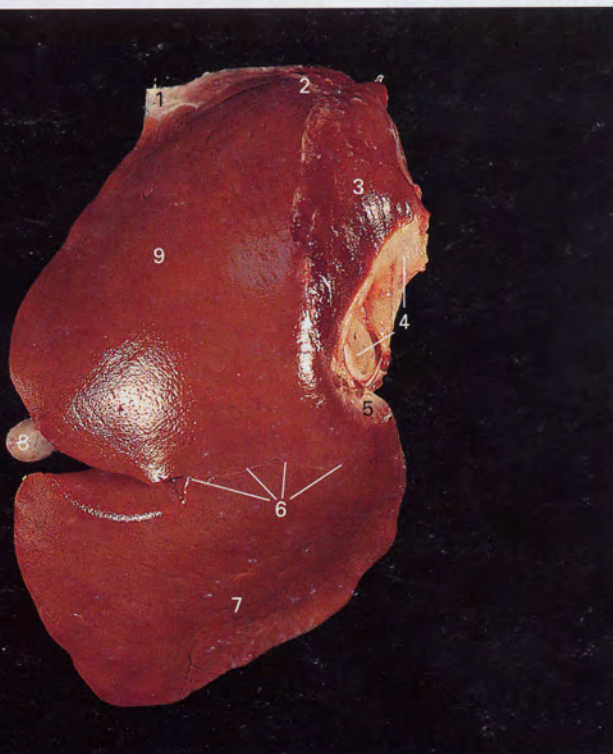
309. The diaphragmatic surface of the bovine liver.

- | | |
|---|--|
| 1 Caudate lobe | 5 Oesophageal notch |
| 2 Line of attachment of the coronary ligament | 6 Left lobe |
| 3 Right lobe | 7 Line of attachment of the falciform ligament |
| 4 Caudal vena cava | 8 Gall bladder |



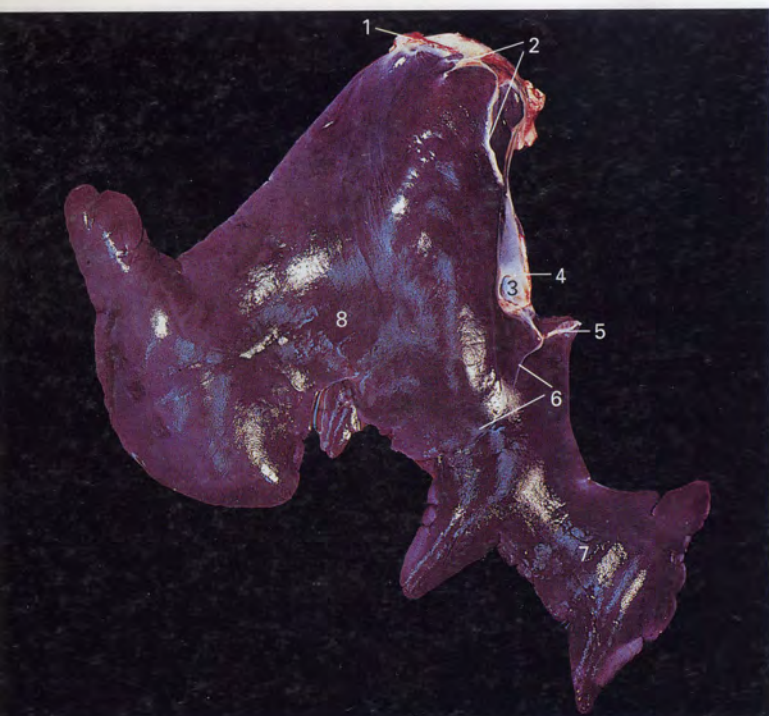
311. The visceral surface of the liver of a sheep.

- | | |
|-----------------------------|---|
| 1 Caudal vena cava | 7 Gall bladder |
| 2 Caudate lobe | 8 Quadrate lobe |
| 3 Porta of the liver | 9 Left lobe |
| 4 Right triangular ligament | 10 Oesophageal notch |
| 5 Cystic duct | 11 Line of attachment of lesser omentum |
| 6 Right lobe | |



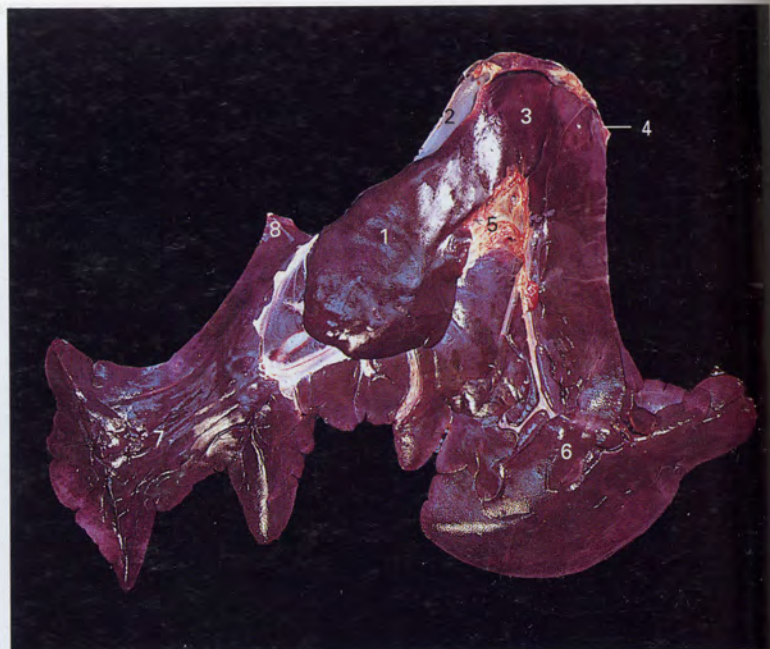
310. The diaphragmatic surface of the liver of a sheep.

- | | |
|---|--|
| 1 Right triangular ligament | 6 Line of attachment of the falciform ligament |
| 2 Coronary ligament | 7 Left lobe |
| 3 Area of the liver adherent to the diaphragm | 8 Gall bladder |
| 4 Caudal vena cava | 9 Right lobe |
| 5 Oesophageal notch | |



312. Diaphragmatic surface of the liver of a llama.

- | | |
|---------------------------------|--------------------------|
| 1 Right triangular ligament | 5 Left coronary ligament |
| 2 Right coronary ligament | 6 Falciform ligament |
| 3 Openings of the hepatic veins | 7 Left lobe |
| 4 Caudal vena cava | 8 Right lobe |



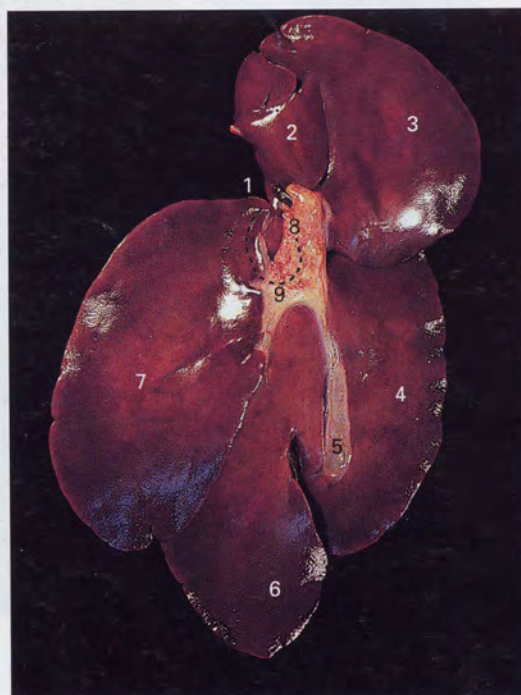
313. Visceral surface of the liver of a llama.

- | | |
|-------------------------------------|---|
| 1 Papillary process of caudate lobe | 6 Right lobe |
| 2 Caudal vena cava | 7 Left lobe |
| 3 Caudate process of caudate lobe | 8 Left triangular ligament |
| 4 Right triangular ligament | 9 Line of attachment of the lesser omentum, partially hidden by the caudate process |
| 5 Porta | |



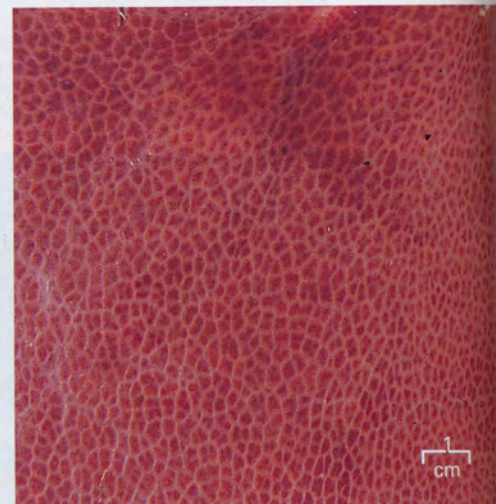
314. The parietal surface of the liver of a pig.

- | | |
|---|---------------------|
| 1 Right lateral lobe | 4 Oesophageal notch |
| 2 Caudal vena cava | 5 Left lateral lobe |
| 3 Hepatic veins entering the caudal vena cava | 6 Left medial lobe |
| | 7 Right medial lobe |

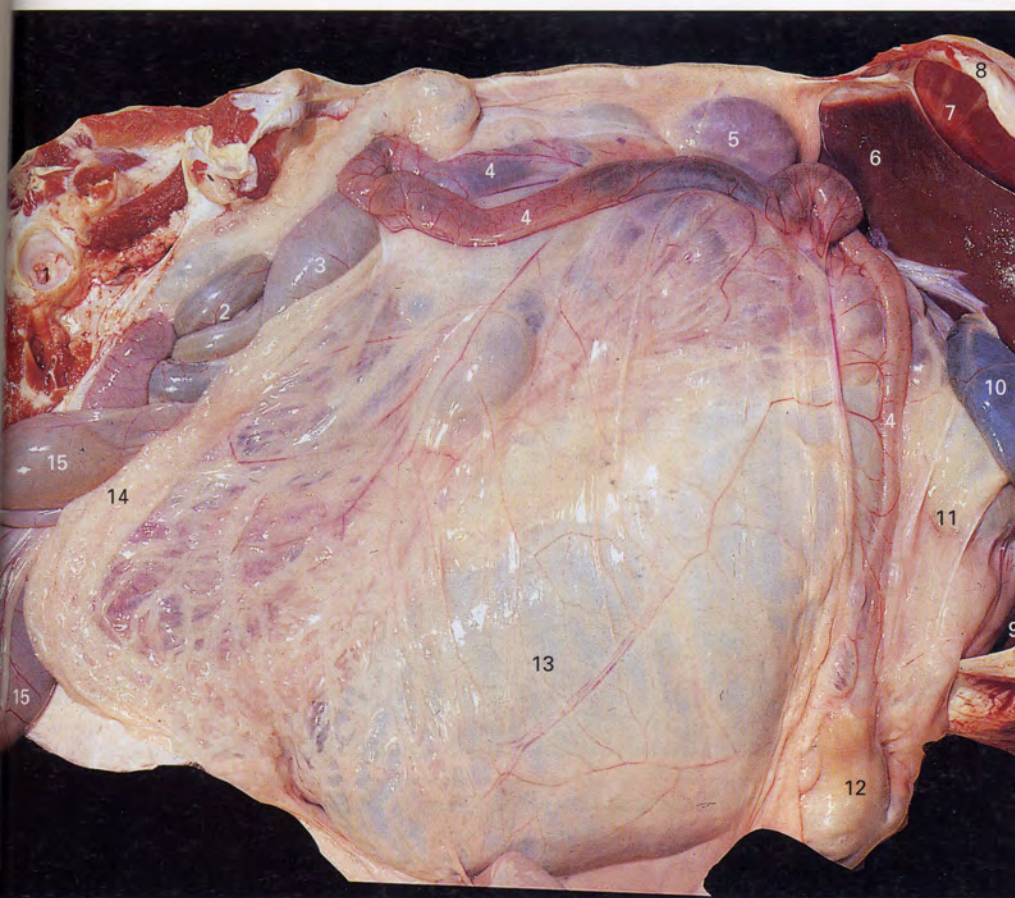


315. The visceral surface of the liver of a pig.

- | | |
|----------------------|--|
| 1 Oesophageal notch | 6 Left medial lobe |
| 2 Caudate lobe | 7 Left lateral lobe |
| 3 Right lateral lobe | 8 Porta |
| 4 Right medial lobe | 9 Line of attachment of the lesser omentum |
| 5 Gall bladder | |

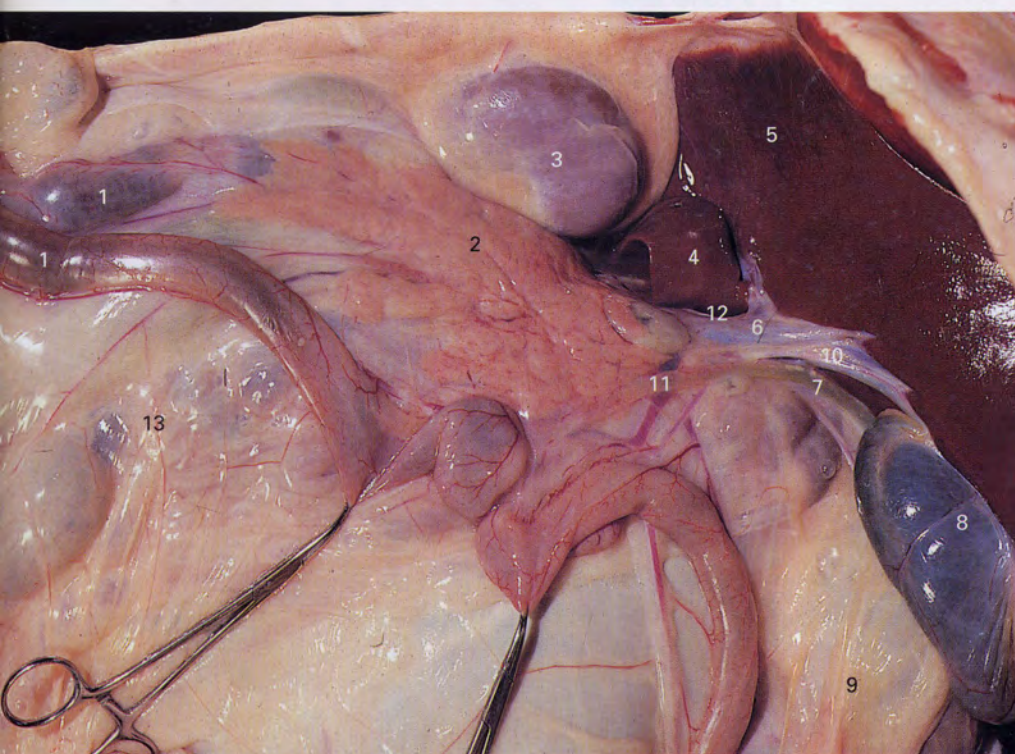


316. Detail showing the texture of the surface of a pig's liver. Each lobule is surrounded by a distinct layer of connective tissue.



317. The abdominal contents of a sheep seen from the right side. The body wall has been removed.

- | | |
|--|--|
| 1 Acetabulum | 11 Lesser omentum |
| 2 Loops of jejunum | 12 Pyloric part of the abomasum |
| 3 Part of the proximal loop of the ascending colon | 13 Ventral sac of the rumen seen through the superficial sheet of the greater omentum |
| 4 Descending duodenum | 14 Line of reflection of the omentum where the superficial and deep sheets are continuous with one another |
| 5 Right kidney | 15 Caecum |
| 6 Right lobe of the liver | |
| 7 Abdominal surface of the diaphragm | |
| 8 Caudal border of the rib cage | |
| 9 Left lobe of the liver | |
| 10 Gall bladder | |



318. Right view of the pancreas and related structures in a sheep.

- | | |
|---|---|
| 1 Descending duodenum | 8 Gall bladder |
| 2 Pancreas | 9 Lesser omentum |
| 3 Right kidney | 10 Cystic duct |
| 4 Caudate lobe of the liver | 11 Common bile duct |
| 5 Visceral surface of the right lobe of the liver | 12 Omental (epiploic) foramen |
| 6 Portal vein | 13 Superficial sheet of the greater omentum |
| 7 Bile duct | |



319. Parietal surface of the spleen of a horse.

- | | |
|-----------------|------------------|
| 1 Dorsal end | 3 Ventral end |
| 2 Caudal border | 4 Cranial border |



320. Visceral surface of the spleen of a horse.

- | | |
|------------------|---------------|
| 1 Caudal border | 4 Hilus |
| 2 Dorsal end | 5 Ventral end |
| 3 Cranial border | |



321. Parietal surface of the bovine spleen.

- | | |
|--|--|
| 1 Dorsal end | 3 Ventral end |
| 2 Line of peritoneal reflection; the area ventral to this line has a peritoneal covering | 4 The hilus is close to this point on the visceral surface |



322. Visceral surface of the bovine spleen.

- | | |
|--------------|--|
| 1 Dorsal end | 3 Line of peritoneal reflection; the area ventral to this line has a peritoneal covering |
| 2 Hilus | 4 Ventral end |



323. Parietal surface of the spleen of a sheep.

- | | |
|--|------------------|
| 1 Dorsal end | 3 Caudal border |
| 2 Line of peritoneal reflection; the area ventral to this line has a peritoneal covering | 4 Ventral end |
| | 5 Cranial border |



324. Visceral surface of the spleen of a sheep.

- | | |
|------------------|--|
| 1 Dorsal end | 5 Line of peritoneal reflection; the area ventral to this line has a peritoneal covering |
| 2 Hilus | 6 Caudal border |
| 3 Cranial border | |
| 4 Ventral end | |



325. Parietal surface of the spleen of a llama.

- | | |
|-----------------|------------------|
| 1 Dorsal end | 3 Ventral end |
| 2 Caudal border | 4 Cranial border |



326. Visceral surface of the spleen of a llama.

- | | |
|---------------------|------------------|
| 1 Dorsal end | 4 Cranial border |
| 2 Subperitoneal fat | 5 Caudal border |
| 3 Hilus | |



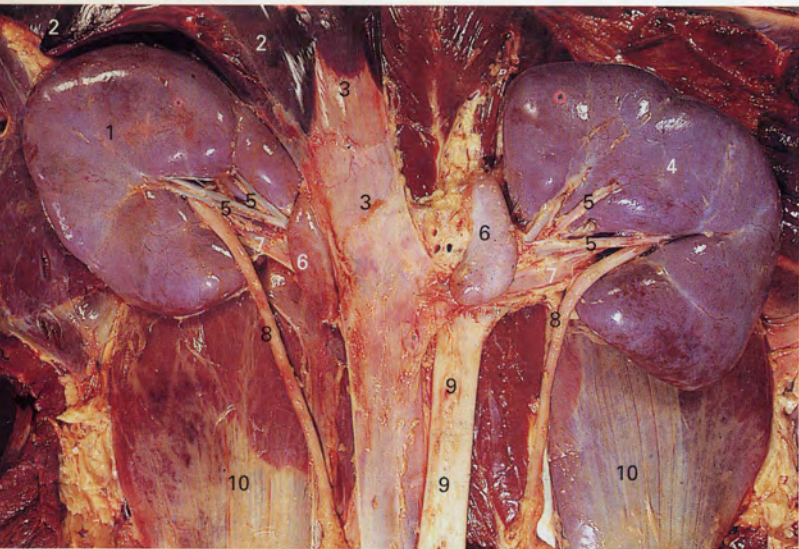
327. Parietal surface of the spleen of a pig.

- | | |
|-----------------|------------------|
| 1 Dorsal end | 3 Ventral end |
| 2 Caudal border | 4 Cranial border |



328. Visceral surface of the spleen of a pig.

- | | |
|----------------------|-----------------|
| 1 Dorsal end | 4 Caudal border |
| 2 Gastric impression | 5 Hilus |
| 3 Ventral end | |



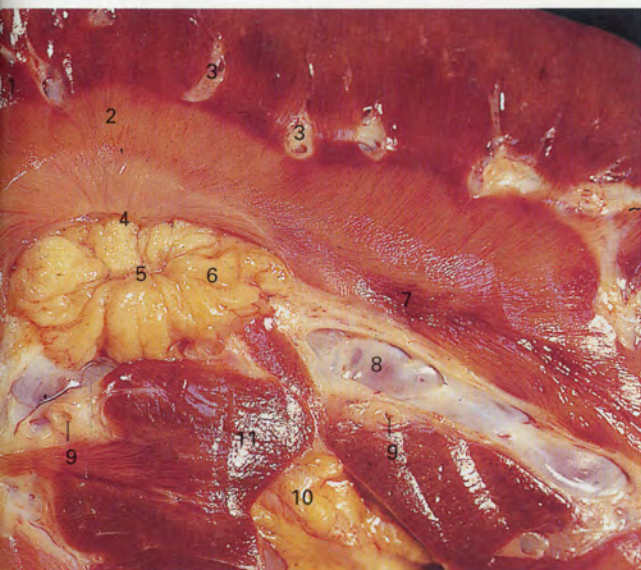
329. Ventral view of the kidneys and related structures in a horse.

- | | |
|---|------------------|
| 1 Ventral surface of the right kidney | 5 Renal arteries |
| 2 Most caudal part of the caudate lobe of the liver | 6 Adrenal gland |
| 3 Caudal vena cava | 7 Renal vein |
| 4 Ventral surface of the left kidney | 8 Ureter |
| | 9 Aorta |
| | 10 M. iliopsoas |



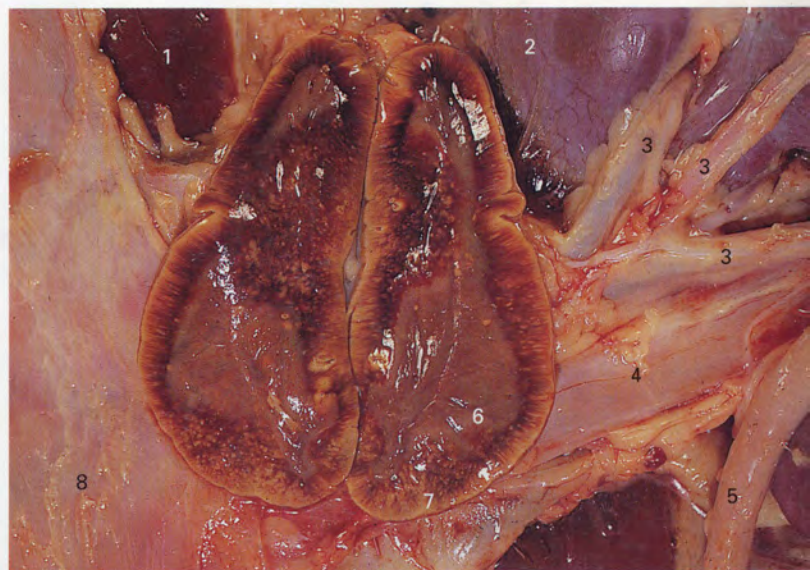
330. A dorsal section of the left kidney of a horse seen from the ventral aspect.

- | | |
|--|--|
| ✓1 Corticomedullary junction | 5 Caudal pole |
| ✓2 Lobar vessels seen in section | 6 Renal hilus |
| 3 Mucosa lining the renal pelvis | 7 Renal veins seen in section leaving the kidney |
| 4 Terminal recess of the caudal pole surrounded by the pale striated tissue of the inner medulla | 8 Fat lying in the renal sinus |
| | 9 Cranial pole |
| | 10 Terminal recess of the cranial pole |



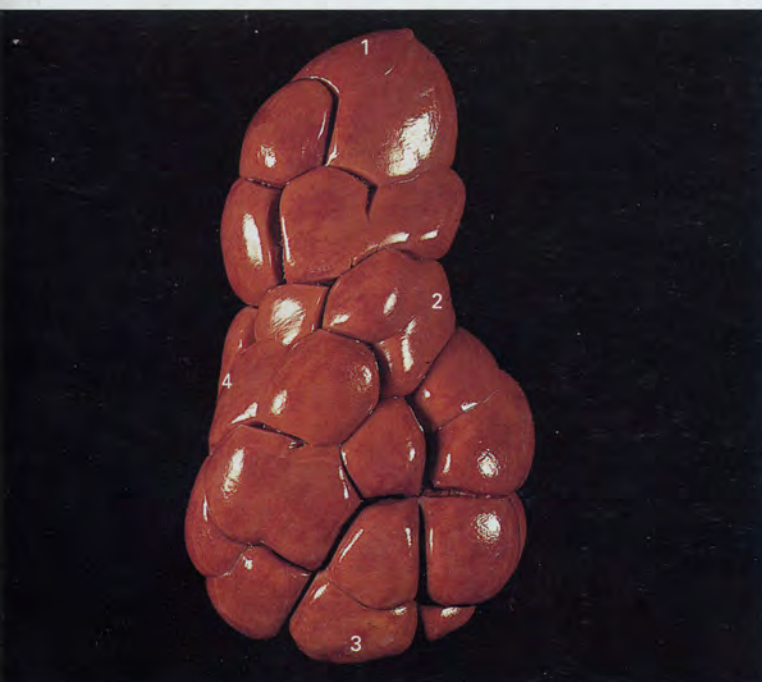
331. Detail of the pelvis of the kidney of a horse. The kidney is sectioned in the dorsal plane and is seen from the dorsal side.

- | | |
|--|---|
| 1 Dark outer medulla | 7 Terminal recess seen in oblique section |
| 2 Pale inner medulla | 8 Large renal vein in longitudinal section |
| 3 Lobar vessels seen in section | 9 Branch of the renal artery seen in section |
| 4 Renal crest | 10 Fat in the renal hilus |
| 5 Opening into the ureter | 11 Part of the renal cortex adjacent to the renal hilus |
| 6 Mucosa of the medusa-like renal pelvis | |



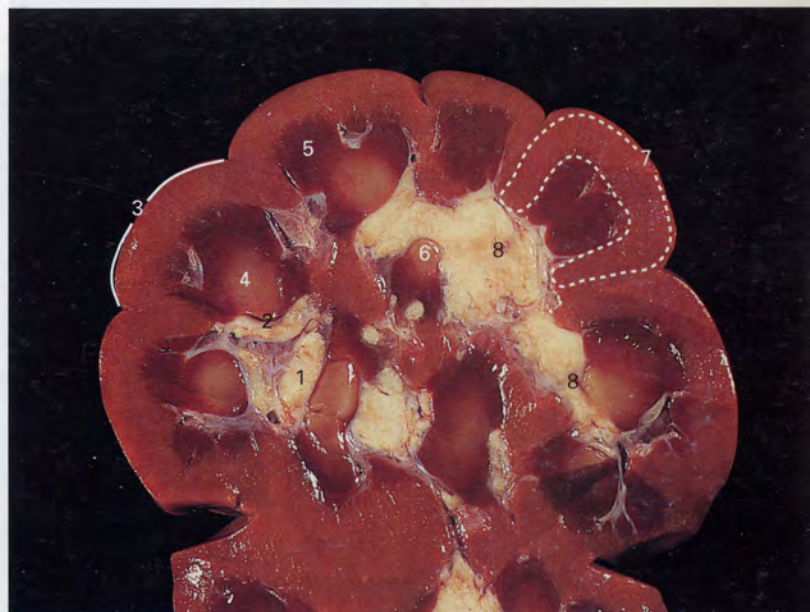
332. Dorsal section of the left adrenal gland of a horse. The ventral half of the gland has been reflected towards the animal's right (the left of the photograph) so that both halves are shown.

- | | |
|--|---|
| 1 Part of the left crus of the diaphragm | 5 Ureter |
| 2 Ventral surface of left kidney | 6 Adrenal medulla |
| 3 Renal arteries | 7 Adrenal cortex |
| 4 Renal vein | 8 Ventral surface of the caudal vena cava |



333. Left lateral view of the left bovine kidney with the perirenal fat and the renal capsule removed.

- | | |
|---|------------------|
| 1 Cranial pole | 3 Caudal pole |
| 2 Depression in the dorsal surface close to the hilus | 4 Ventral border |



334. Dorsal section of one pole of a bovine kidney.

- | | |
|---|--|
| 1 Fat occupying the renal sinus | 6 A papilla tip |
| 2 Cavity of a minor calyx | 7 Renal cortex |
| 3 A renal lobe | 8 Branches of the collecting system conducting urine from the minor calyces to the major calyx |
| 4 Pale inner medulla extending to the papilla | |
| 5 Dark outer medulla | |



335. Dorsal view of the right kidney of a sheep. The renal capsule has been removed.

- | | |
|------------------|------------------|
| 1 Cranial pole | 4 Dorsal surface |
| 2 Lateral border | 5 Hilus |
| 3 Caudal pole | |



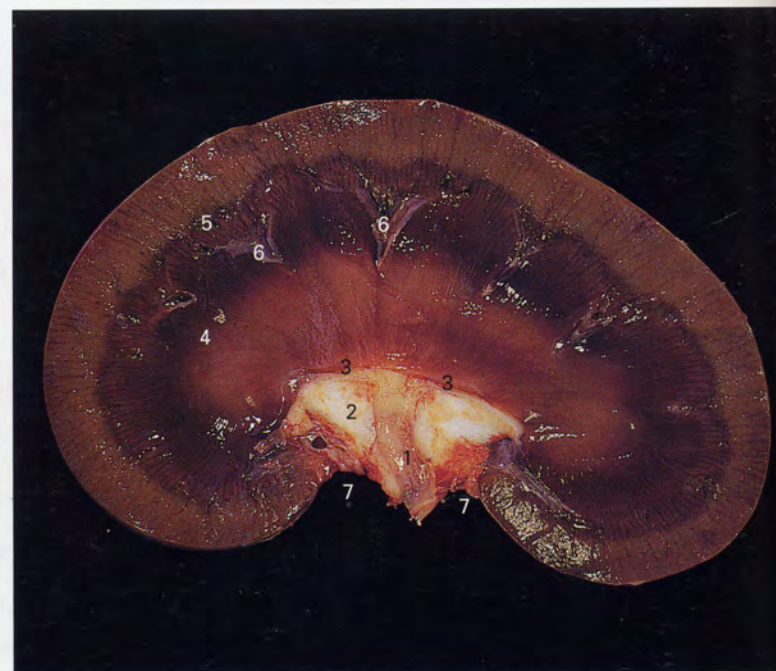
336. Dorsal section of the right kidney of a sheep seen from the dorsal aspect.

- | | |
|-----------------------------|---------------------------------------|
| 1 Cranial pole | 7 Lobar vessels |
| 2 Renal pelvis | 8 Outer medulla |
| 3 Corticomedullary junction | 9 Inner medulla |
| 4 Renal crest | 10 Fat lying in the renal sinus |
| 5 Cortex | 11 Renal end of the ureter in section |
| 6 Lateral border | |



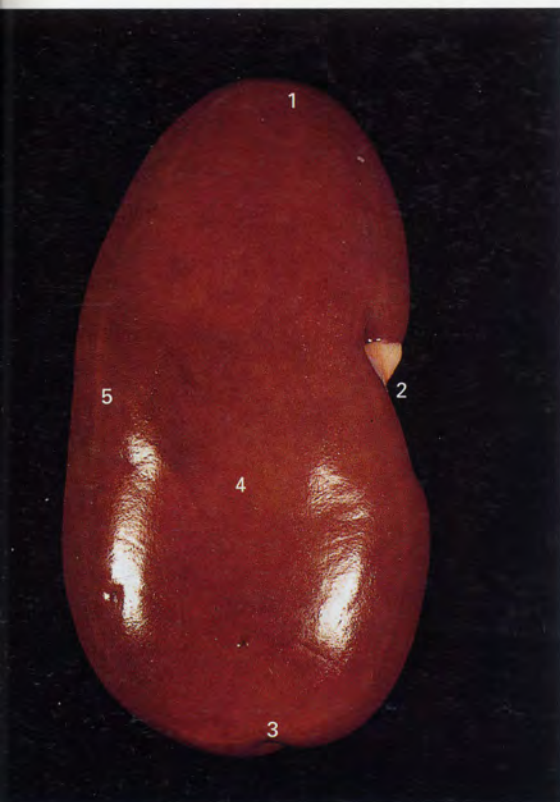
337. Dorsal view of the right kidney of a llama. The perirenal fat, but not the capsule, has been removed.

- | | |
|------------------|---------------|
| 1 Hilus | 4 Caudal pole |
| 2 Cranial pole | 5 Ureter |
| 3 Lateral border | |



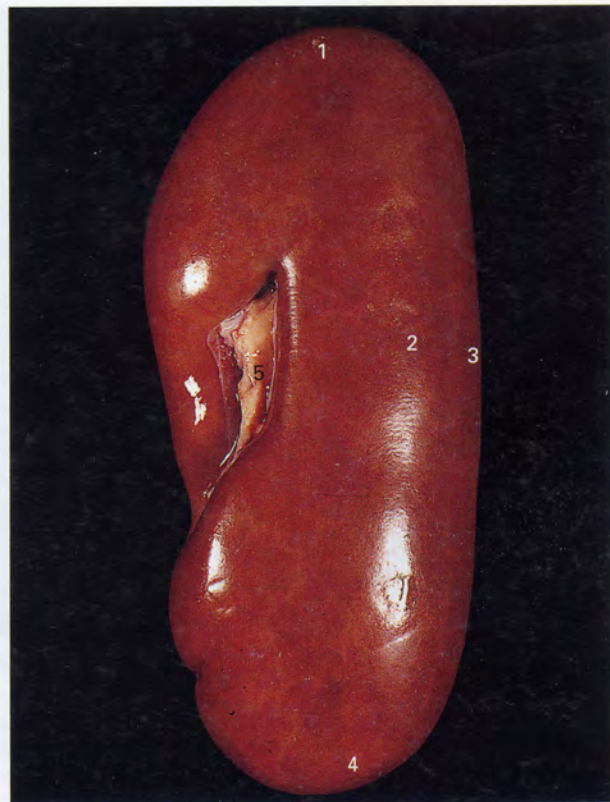
338. The right kidney of a llama in dorsal section.

- | | |
|------------------------------------|---------------------------------------|
| 1 Ureter | 4 Junction of outer and inner medulla |
| 2 Fat contained in the renal sinus | 5 Corticomedullary junction |
| 3 Renal crest | 6 Lobar vessels |
| | 7 Hilus |



339. Dorsal view of the left kidney of a pig with the capsule removed.

Cranial pole	4 Dorsal surface
Hilus	5 Lateral border
Caudal pole	



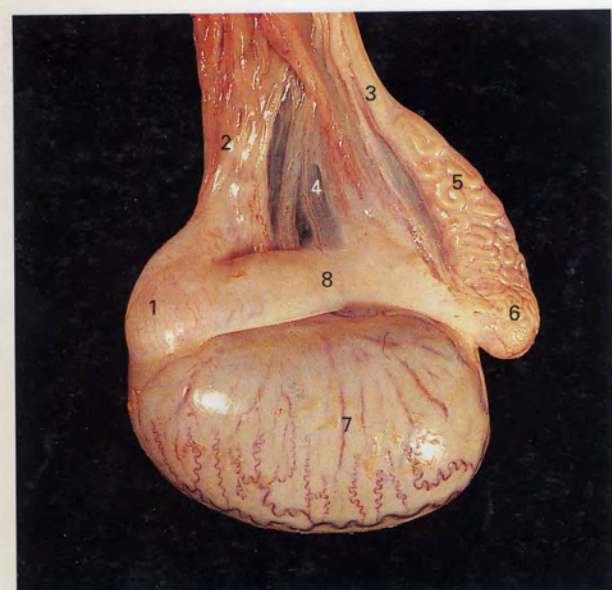
340. Ventral view of the left kidney of a pig with the capsule removed.

1 Cranial pole	4 Caudal pole
2 Ventral surface	5 Hilus
3 Lateral border	



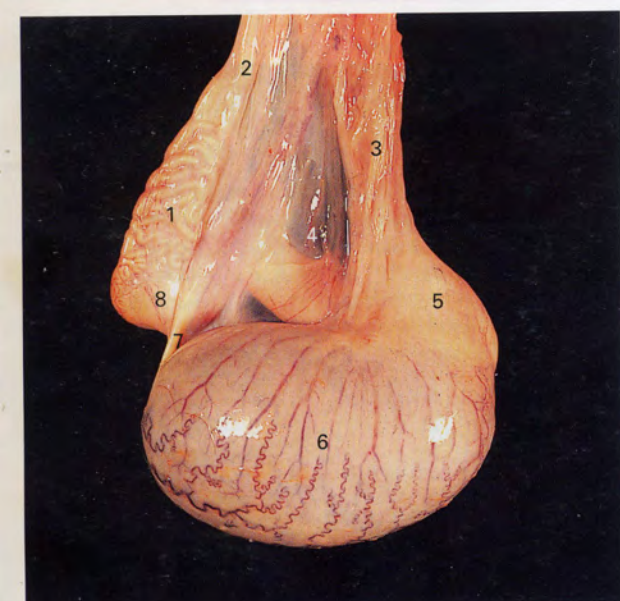
341. The left inguinal region of a four-month-old colt. The skin has been removed and the penis and prepuce have been reflected caudally. The loose superficial connective tissue has been broken down by blunt dissection to show the superficial inguinal ring and related structures. Ventrolateral view. The left hand side of the photograph is cranial.

1 Aponeurosis of the M. obliquus externus abdominis; the caudal muscular part of M. obliquus internus abdominis can be seen through it	6 Tail of the epididymis
2 M. sartorius	7 Testis seen through the intact internal spermatic fascia
3 M. pectineus	8 Head of the epididymis
4 M. gracilis	9 M. cremaster
5 Body of the penis reflected caudally	10 Superficial inguinal ring
	11 Ventral edge of the inguinal ligament (lateral crus of the superficial inguinal ring)



342. Lateral view of the left testis of a horse.

- | | |
|--|--|
| 1 Head of the epididymis | • 4 Mesorchium |
| 2 Vascular cone of the testis; individual vessels cannot be seen through the connective tissue | 5 Convoluted part of the deferent duct |
| 3 Beginning of the straight part of the deferent duct | 6 Tail of the epididymis |
| | 7 Lateral surface of the testis |
| | 8 Body of the epididymis |



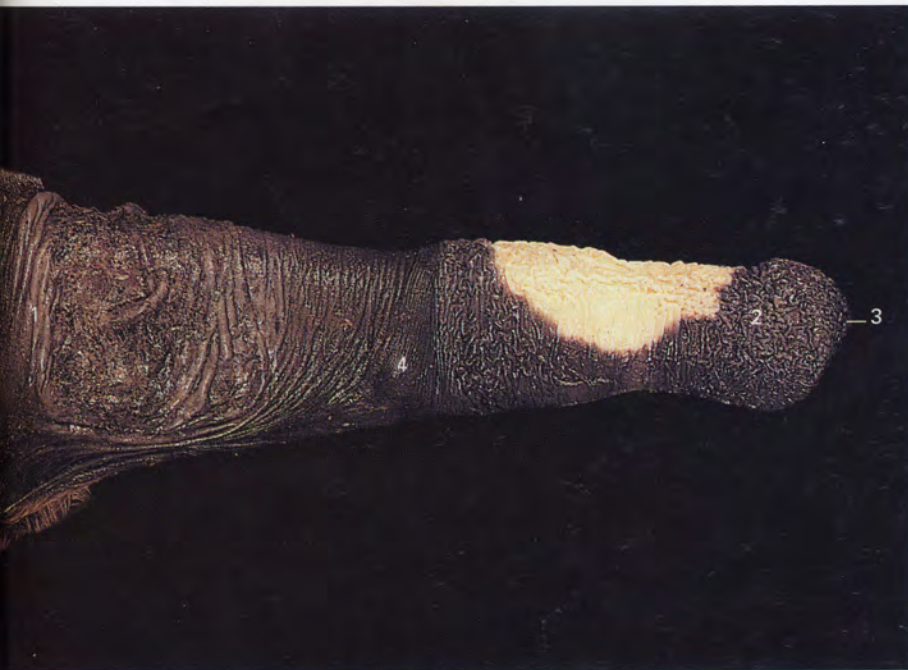
343. Medial view of the left testis of a horse.

- | | |
|--|--|
| 1 Convoluted part of the deferent duct | • 4 Mesorchium |
| 2 Beginning of the straight part of the deferent duct | 5 Head of the epididymis |
| 3 Vascular cone of the testis; individual vessels cannot be seen through the connective tissue | 6 Medial surface of the testis |
| | • 7 Ligament of the tail of the epididymis |
| | 8 Tail of the epididymis |



344. Dorsal view of the bladder, pelvic urethra and related structures in the stallion.

- | | |
|--|---|
| 1 Left ureter | 7 Pelvic part of the urethra surrounded by the urethral muscle |
| 2 Bladder, empty | 8 Left and right bulbourethral glands enclosed in urethral muscle |
| 3 Left and right deferent ducts | • 9 Part of the bulb of the penis |
| 4 Ampullae | |
| 5 Left and right vesicular glands (seminal vesicles) | |
| 6 Left and right lobes of the prostate gland | |



345. Right view of the free part of the penis of the horse. The prepuce has been everted. In this animal the penis had a large unpigmented area on its dorsal side.

- | | |
|---|---|
| 1 Position of the preputial opening when the penis is retracted | 4 Position of the preputial fold when the penis is retracted; it bears the vestigial nipple of the male |
| 2 Edge of the corona of the glans | |
| 3 Position of the urethral opening | |



346. Ventral view of the free part of the penis of the horse. The prepuce is only partially everted.

- | | |
|--|---|
| 1 Position of the preputial fold when the penis is retracted | 4 Position of the urethral opening |
| 2 Corona of the glans | 5 Position of the preputial opening when the penis is retracted |
| 3 Urethral process lying within the fossa glandis | |



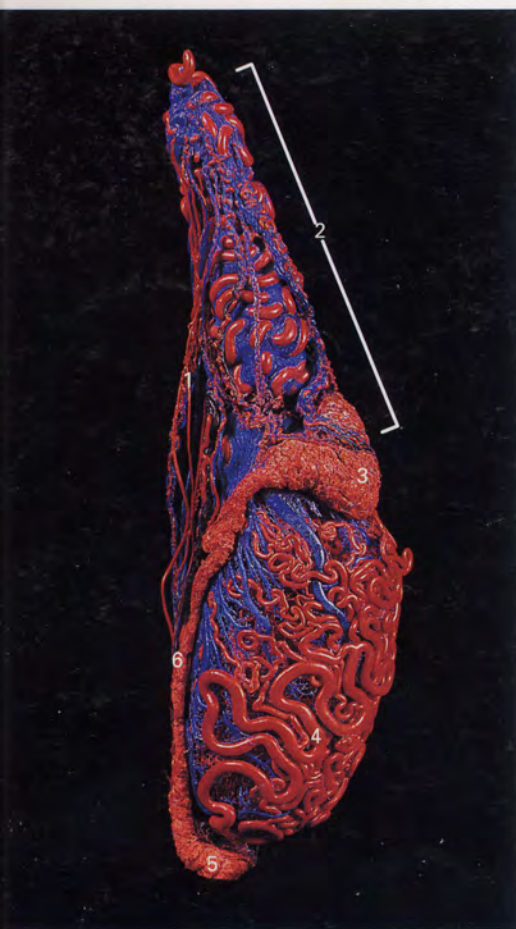
347. Caudomedial view of the left testis and related structures in a bull.

- 1 Beginning of the straight part of the deferent duct
- 2 Vascular cone of the testis
- 3 Head of the epididymis
- 4 Medial surface of the testis
- 5 Ligament of the tail of the epididymis
- 6 Tail of the epididymis
- 7 Cut scrotal ligament
- 8 Initial convoluted part of the deferent duct



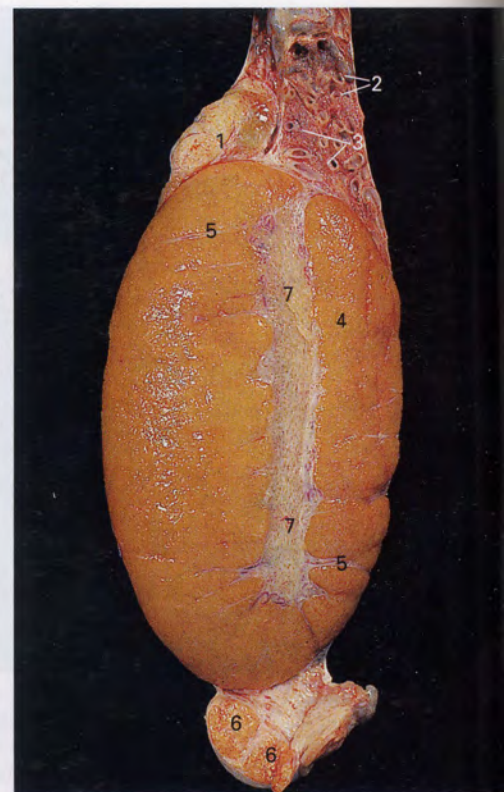
348. Lateral view of the left testis and related structures in a bull.

- 1 Vascular cone of the testis
- 2 Line of attachment of the mesofuniculus
- 3 Body of the epididymis
- 4 Tail of the epididymis
- 5 Superficial convoluted branches of the testicular artery
- 6 Testis enclosed in its dense fibrous capsule, the tunica albuginea
- 7 Head of the epididymis



349. Lateral view of a cast of the blood vessels of the testis and related structures in a bull. All the tissues have been removed. The arteries are red and the veins blue.

- | | |
|--|--|
| 1 Small vessels accompanying the deferent duct | 3 Arteries of the head of the epididymis |
| 2 Vascular cone consisting of the unbranched, but highly convoluted artery, and the delicate pampiniform venous plexus | 4 Superficial convoluted branches of the testicular artery |
| | 5 Arteries of the tail of the epididymis |
| | 6 Arteries of the body of the epididymis |



350. The testis of a bull sectioned in the sagittal plane.

- | | |
|---|--|
| 1 Head of the epididymis | 5 Small fibrous septa supporting the testicular parenchyma |
| 2 Highly convoluted testicular artery seen in section | 6 Tail of the epididymis |
| 3 Pampiniform plexus | 7 Mediastinum testis |
| 4 Testicular parenchyma | |

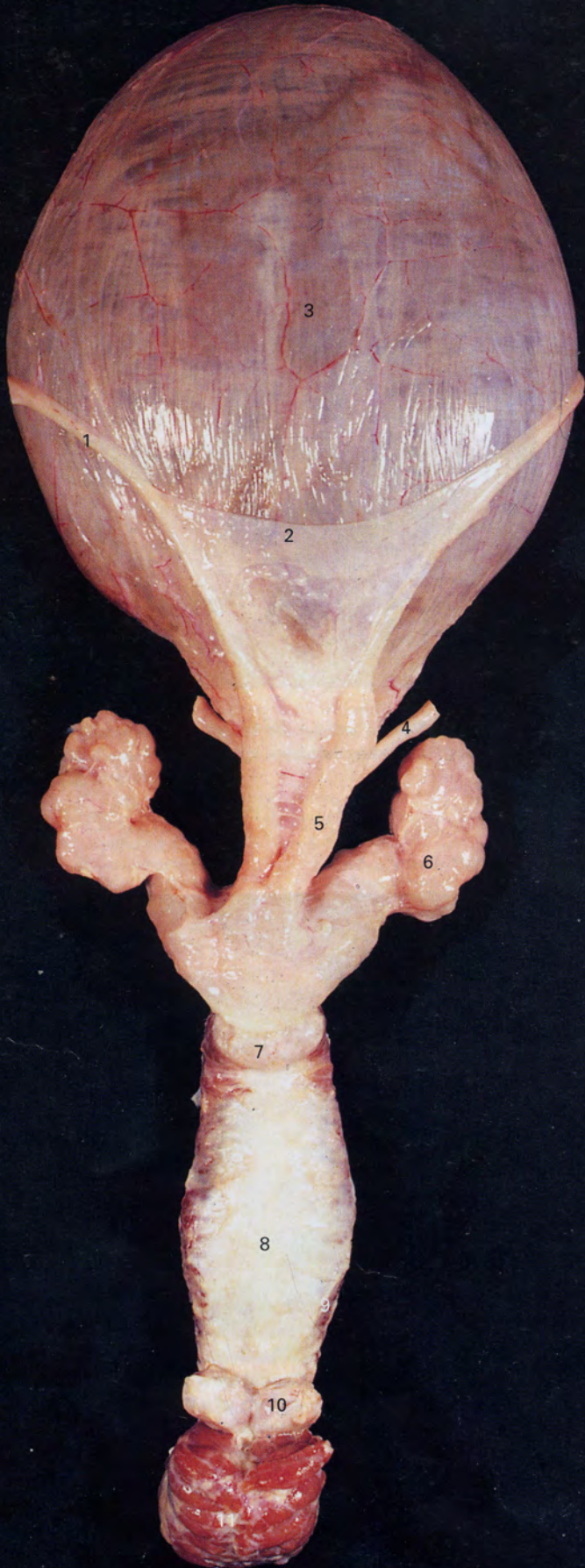


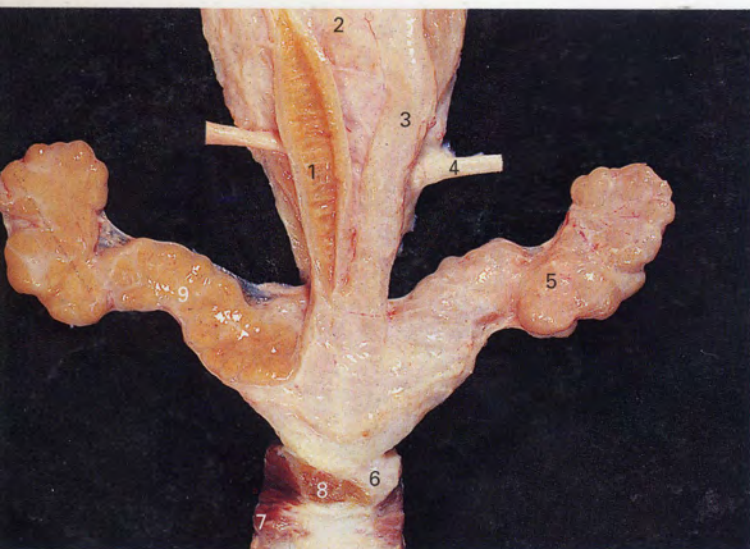
351. Lateral view of a superficial dissection of the left inguinal region of a bull.

- | | |
|---|--|
| 1 Tunica flava | 7 Part of the right testis |
| 2 Ventral edge of the inguinal ligament (lateral crus of the superficial inguinal ring) | 8 Dorsal end of the left testis; the internal spermatic fascia has been left in place and provides attachment for the M. cremaster |
| 3 M. gracilis | 9 Part of M. praeputialis caudalis |
| 4 External pudendal vessels | |
| 5 Superficial inguinal lymph node | |
| 6 M. cremaster; the spermatic cord lies on its medial surface | |

352. Dorsal view of the bladder, pelvic urethra and related structures in a bull.

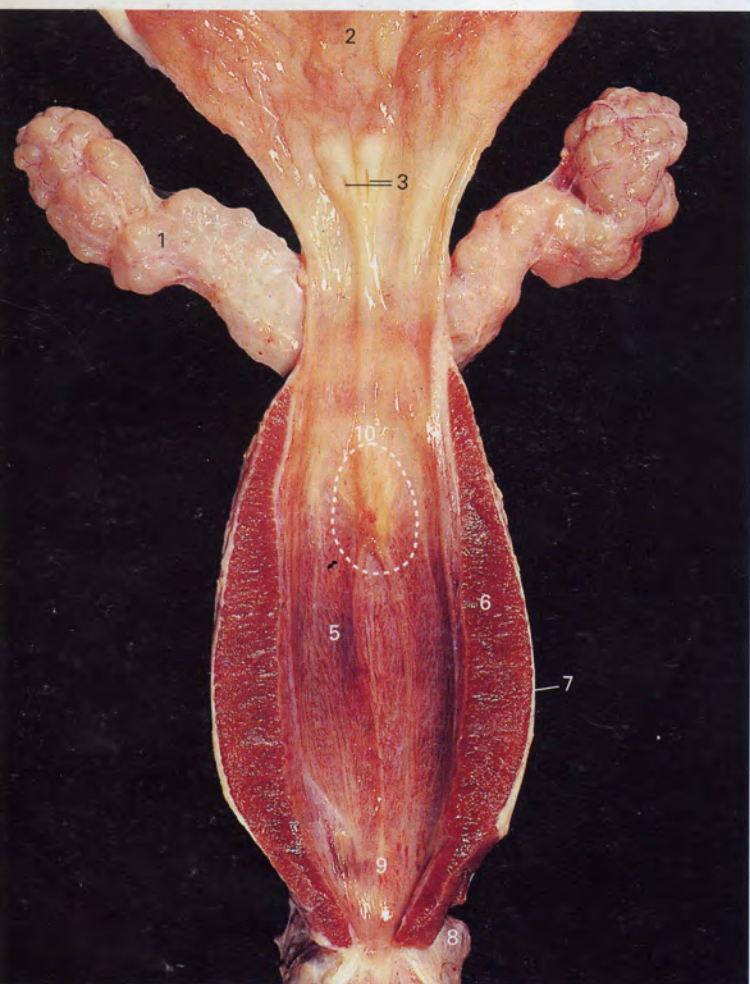
- | | |
|---|--|
| 1 Left deferent duct | 7 Body of the prostate gland |
| 2 Genital fold | 8 Dorsal tendinous part of the urethral muscle |
| 3 Bladder | 9 Fleshy part of the urethral muscle |
| 4 Right ureter | 10 Right lobe of the bulbourethral gland |
| 5 Right ampulla of the deferent duct | 11 Bulb of the penis |
| 6 Right vesicular gland (sometimes misleadingly called the seminal vesicle) | |





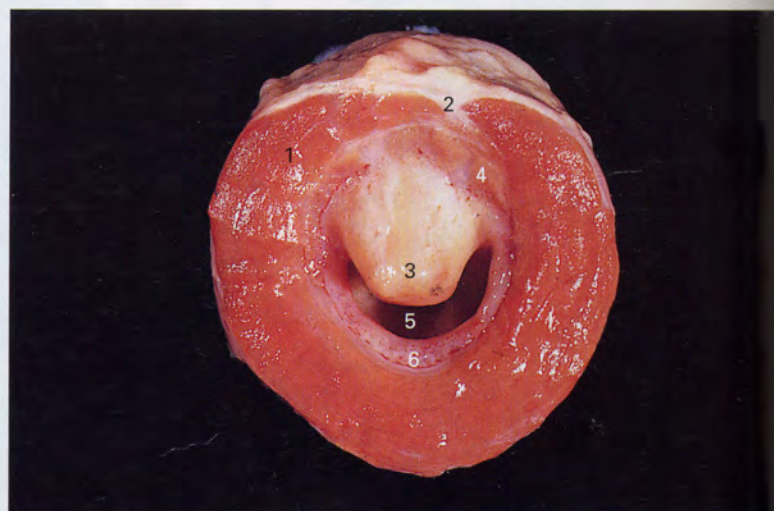
353. Detail of the neck of the bladder and the cranial part of the pelvic urethra in a bull with some of the male accessory glands opened.

- | | |
|--|--|
| 1 Opened left ampulla showing the glandular mucosa | 7 Cranial extremity of the urethral muscle |
| 2 Neck of the bladder | 8 Left half of the prostate body, sectioned close to the dorsal plane, to show its internal appearance |
| 3 Right ampulla | 9 Left vesicular gland sectioned in the dorsal plane to show its internal appearance |
| 4 Right ureter | |
| 5 Right vesicular gland | |
| 6 Right half of the prostate body | |



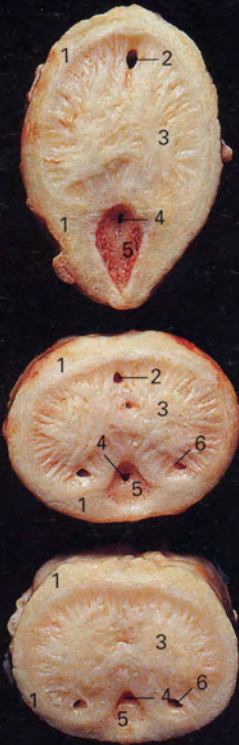
354. Bovine pelvic urethra opened from the ventral aspect.

- | | |
|---|---|
| 1 Right vesicular gland | 7 Fascia covering the urethral muscle |
| 2 Mucosa of the bladder | 8 Left bulbourethral gland |
| 3 Openings of the ureters | 9 Glandular openings |
| 4 Left vesicular gland | 10 Colliculus seminalis where the openings of the ejaculatory ducts are located |
| 5 Openings of the disseminate prostate glands | |
| 6 Urethral muscle | |



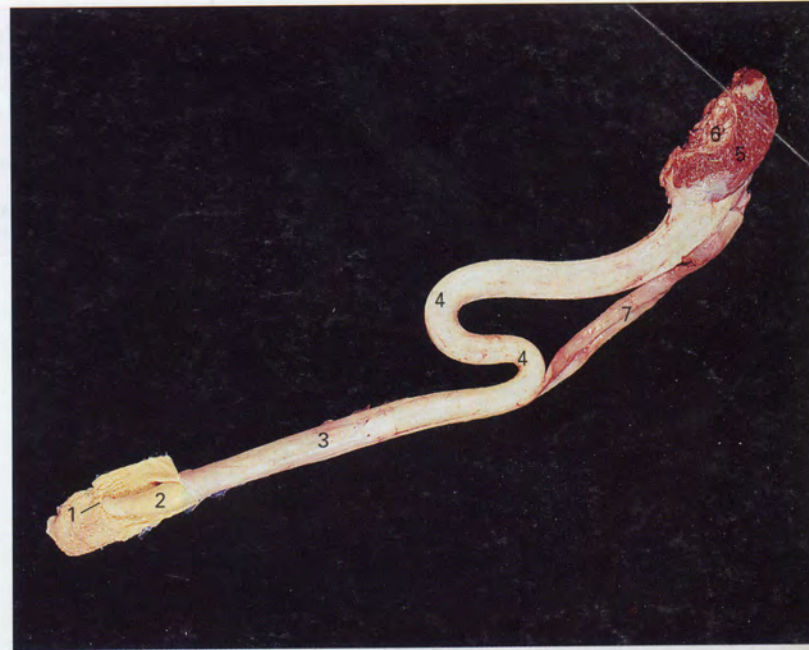
355. Caudal view of a transverse section of the pelvic urethra of a bull immediately caudal of the colliculus seminalis.

- | | |
|--|--|
| 1 Fleshy part of the urethral muscle | 4 Disseminate part of the prostate gland |
| 2 Dorsal tendinous part of the urethral muscle | 5 Urethral lumen |
| 3 Colliculus seminalis | 6 Spongy erectile tissue |



356. Transverse sections of the bovine penis from the proximal (top), middle (middle) and distal (bottom) parts of the shaft.

- | | |
|--|--|
| 1 Tunica albuginea | 4 Urethra |
| 2 Dorsal vessel of the cavernous erectile tissue | 5 Spongy erectile tissue (corpus spongiosum) |
| 3 Cavernous erectile tissue (corpus cavernosum) | 6 Ventrolateral vessels of the cavernous erectile tissue |



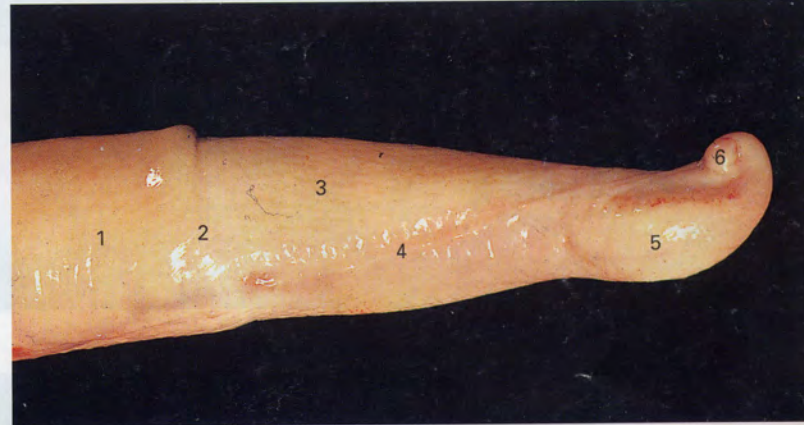
357. Left lateral view of the bovine penis.

- | | |
|---|--|
| 1 Distal end of the penis | 5 M. ischiocavernosus |
| 2 Free mucosa-covered part of the body of the penis | 6 Tunica albuginea surrounding the cavernous erectile tissue |
| 3 Distal part of the body of the penis | 7 M. retractor penis |
| 4 Sigmoid flexure | |



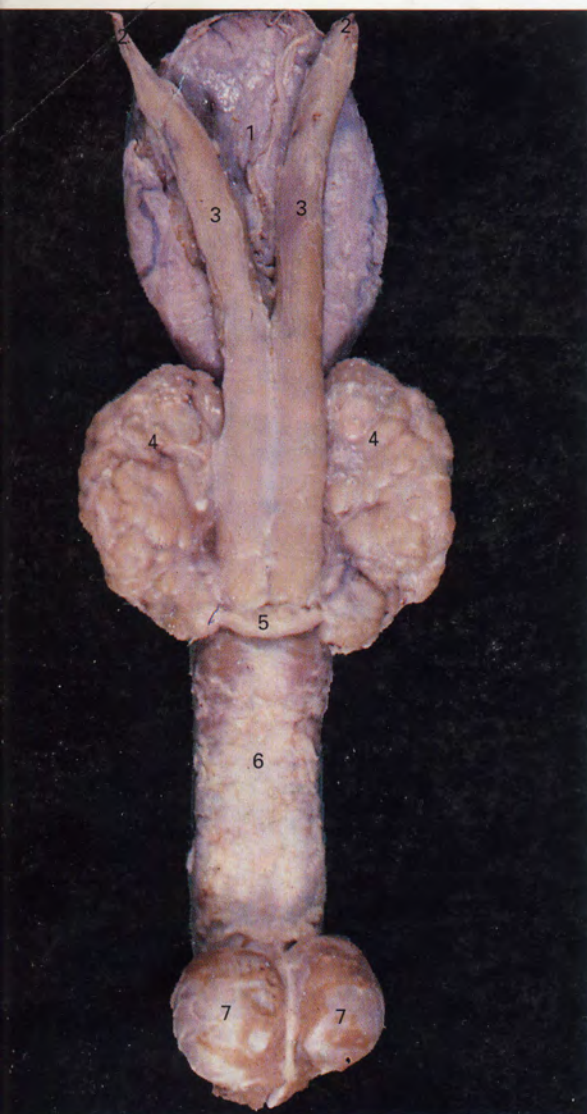
Detail of the dorsal surface of the bovine penis

- | | |
|------------------|-----------------|
| Dorsal nerves | 3 Dorsal artery |
| Tunica albuginea | |



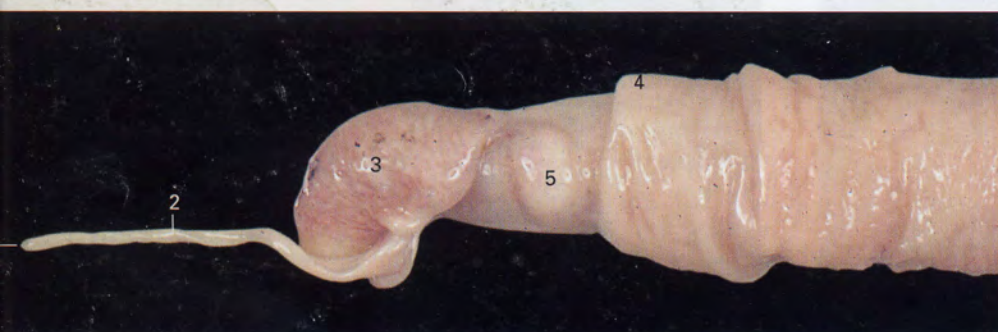
359. Right lateral view of the distal end of the bovine penis.

- | | |
|--|--------------------|
| 1 Reflected mucous lining of the prepuce | 4 Raphe |
| 2 Line of mucosal reflection | 5 Glans |
| 3 Mucosa covering the free part of the penile body | 6 Urethral process |



360. Dorsal view of the male accessory glands of a ram: formalin fixed specimen.

- | | |
|--------------------------|--|
| 1 Bladder | 6 Pelvic urethra showing the tendinous part of the urethral muscle on its dorsal surface |
| 2 Deferent duct | 7 Bulbourethral glands |
| 3 Ampullae | |
| 4 Vesicular glands | |
| 5 Connective tissue band | |



361. Distal part of the penis of a ram seen from the left. The areas of melanin pigmentation are normal in sheep.

- | | |
|------------------------------------|--|
| 1 Position of the urethral opening | 4 Point of reflection of the prepuce; the prepuce has not been fully everted |
| 2 Urethral process | 5 Spongy tubercle |
| 3 Glans | |



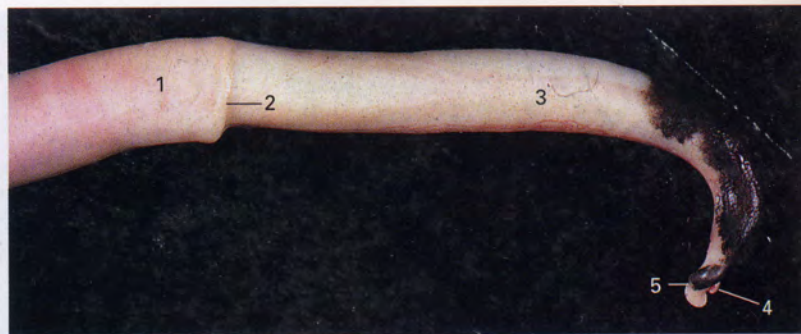
362. Distal part of the penis of a ram seen from the right.

- | | |
|--|--|
| 1 Spongy tubercle | 6 Course of the urethra and the surrounding spongy erectile tissue (corpus spongiosum) is shown by the oblique dark line |
| 2 Glans | 7 Point of reflection of the mucosa; the prepuce has not been fully everted |
| 3 Position of the urethral opening | |
| 4 Urethral process | |
| 5 Proximal end of the urethral process | |



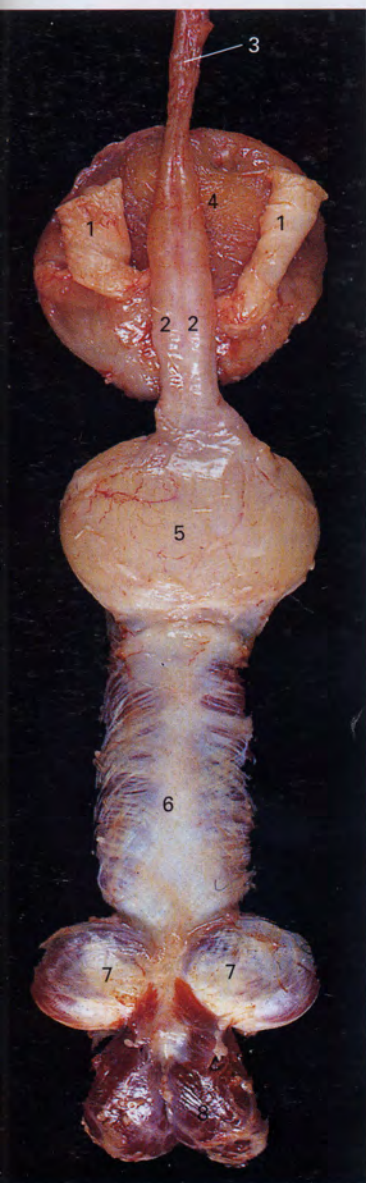
363. Lateral view of the left testis and related structures in a mature male llama

- | | |
|-------------------------------|---------------------------------|
| 1 Spermatic cord | 4 Body of the epididymis |
| 2 Vascular cone of the testis | 5 Lateral surface of the testis |
| 3 Head of the epididymis | 6 Tail of the epididymis |



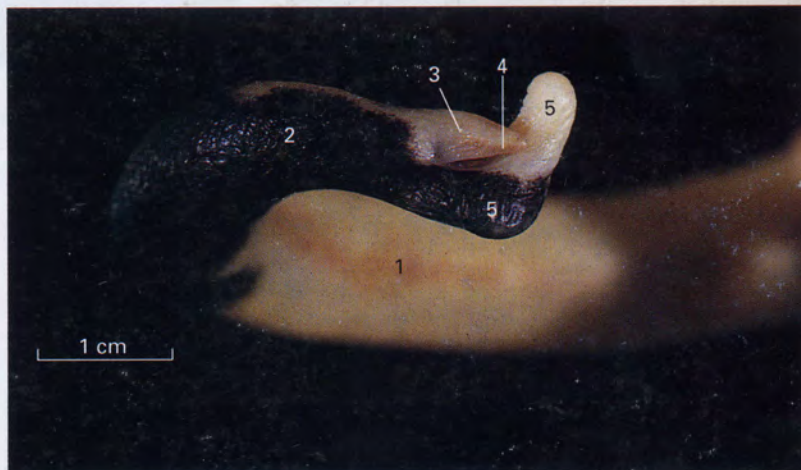
365. Left lateral view of the penis of a mature male llama. The areas of melanin pigmentation are normal.

- | | |
|---|--------------------------------------|
| 1 Body of the penis covered by reflected preputial mucosa | 3 Free part of the body of the penis |
| 2 Line of reflection of the preputial mucosa | 4 Tip of the urethral process |
| | 5 Cartilaginous process |



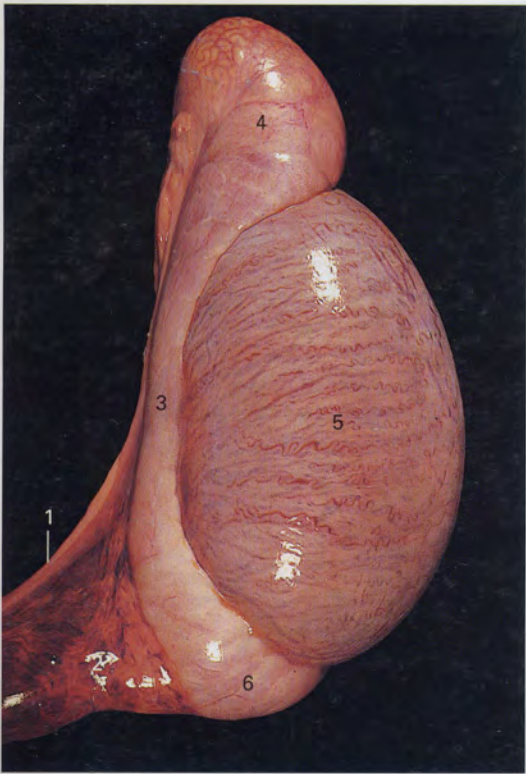
364. Dorsal view of the bladder, pelvic urethra and related structures in a mature male llama

- | |
|--|
| 1 Ureters |
| 2 Ampullae of the deferent ducts |
| 3 Deferent ducts |
| 4 Bladder |
| 5 Prostate |
| 6 Pelvic urethra surrounded by the urethral muscle |
| 7 Bulbourethral glands enclosed by skeletal muscle |
| 8 Bulb of the penis |



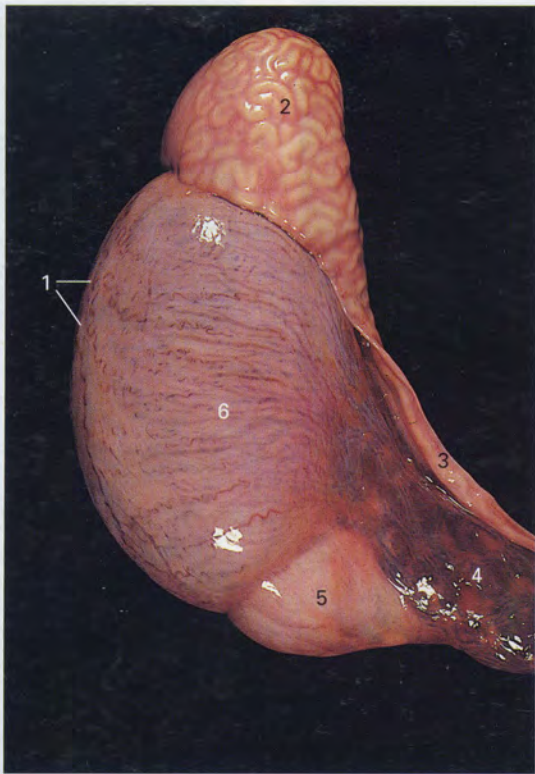
366. Detail of the distal end of the penis of a mature male llama

- | | |
|--|------------------------------------|
| 1 Free part of the body of the penis | 3 Urethral process |
| 2 Terminal part of the body of the penis | 4 Position of the urethral opening |
| | 5 Cartilaginous process |



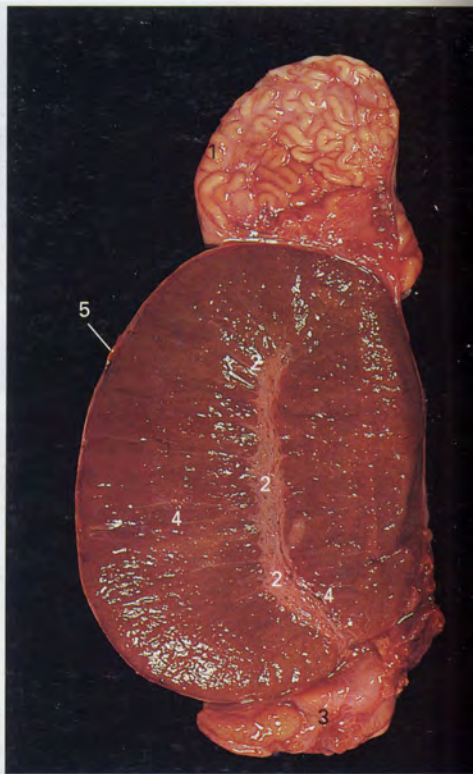
367. Lateral view of the left testis of a boar.

- | | |
|-------------------------------|--|
| 1 Deferent duct | 5 Lateral surface of the testis showing the tortuous superficial branches of the testicular artery |
| 2 Vascular cone of the testis | 6 Head of epididymis |
| 3 Body of the epididymis | |
| 4 Tail of the epididymis | |



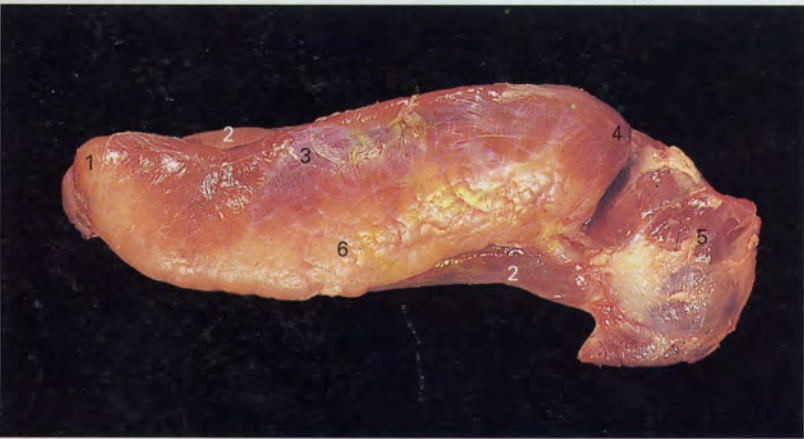
368. Medial view of the left testis of a boar.

- | | |
|-------------------------------|---|
| 1 Free border of the testis | 5 Head of the epididymis |
| 2 Tail of the epididymis | 6 Medial surface of the testis showing the tortuous superficial branches of the testicular artery |
| 3 Deferent duct | |
| 4 Vascular cone of the testis | |



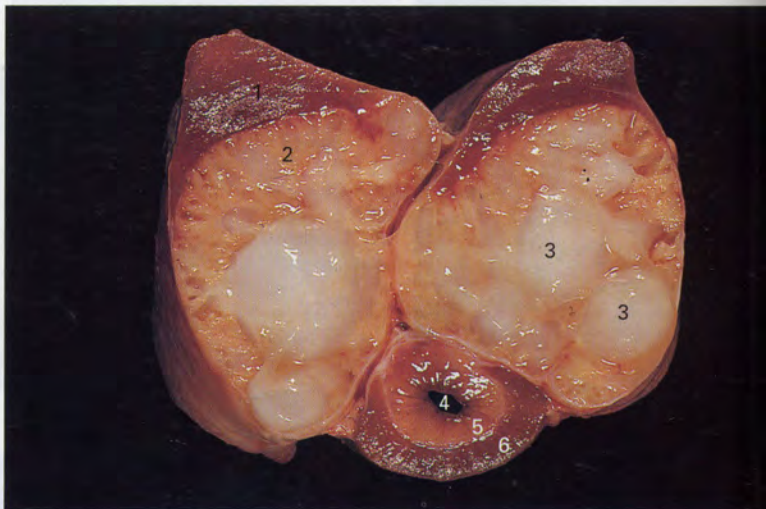
369. The testis of a boar sectioned in the sagittal plane.

- | | |
|--|--|
| 1 Tail of the epididymis clearly showing the convolutions of the epididymal tubule | 3 Head of the epididymis |
| 2 Mediastinum testis | 4 Small fibrous septa supporting the testicular parenchyma |
| | 5 Tunica albuginea |



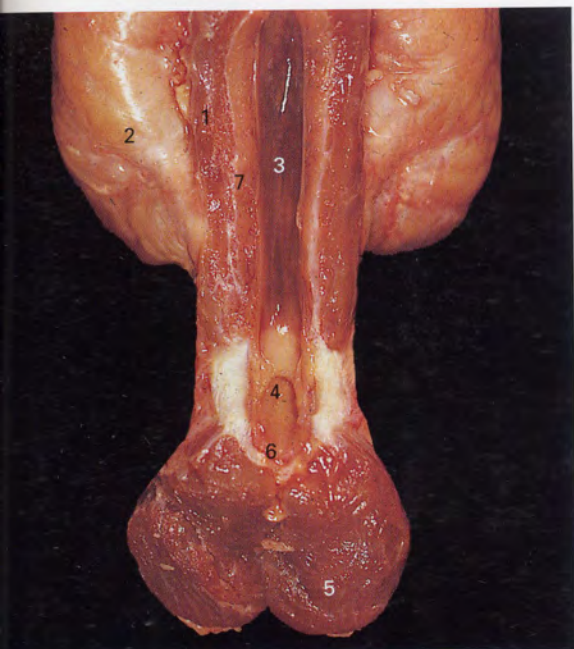
370. Lateral view of the bulbourethral glands and the penile bulb of a boar.

- | | |
|--|---|
| 1 Cranial end of the left bulbourethral gland | 4 Caudal end of the bulbourethral gland |
| 2 Part of the pelvic urethra ensheathed in urethral muscle | 5 M. bulbospongiosus |
| 3 Skeletal muscle covering the secretory tissue of the bulbourethral gland | 6 Secretory tissue of the bulbourethral gland seen through the fibrous sheath |



371. The bulbourethral glands and the pelvic urethra of a boar sectioned transversely at the midpoint of the glands.

- | | |
|---|--|
| 1 Skeletal muscle on the dorsal aspect of the gland | 4 Pelvic urethra |
| 2 Secretory tissue | 5 Disseminate part of the prostate gland |
| 3 Secretion | 6 Urethral muscle |



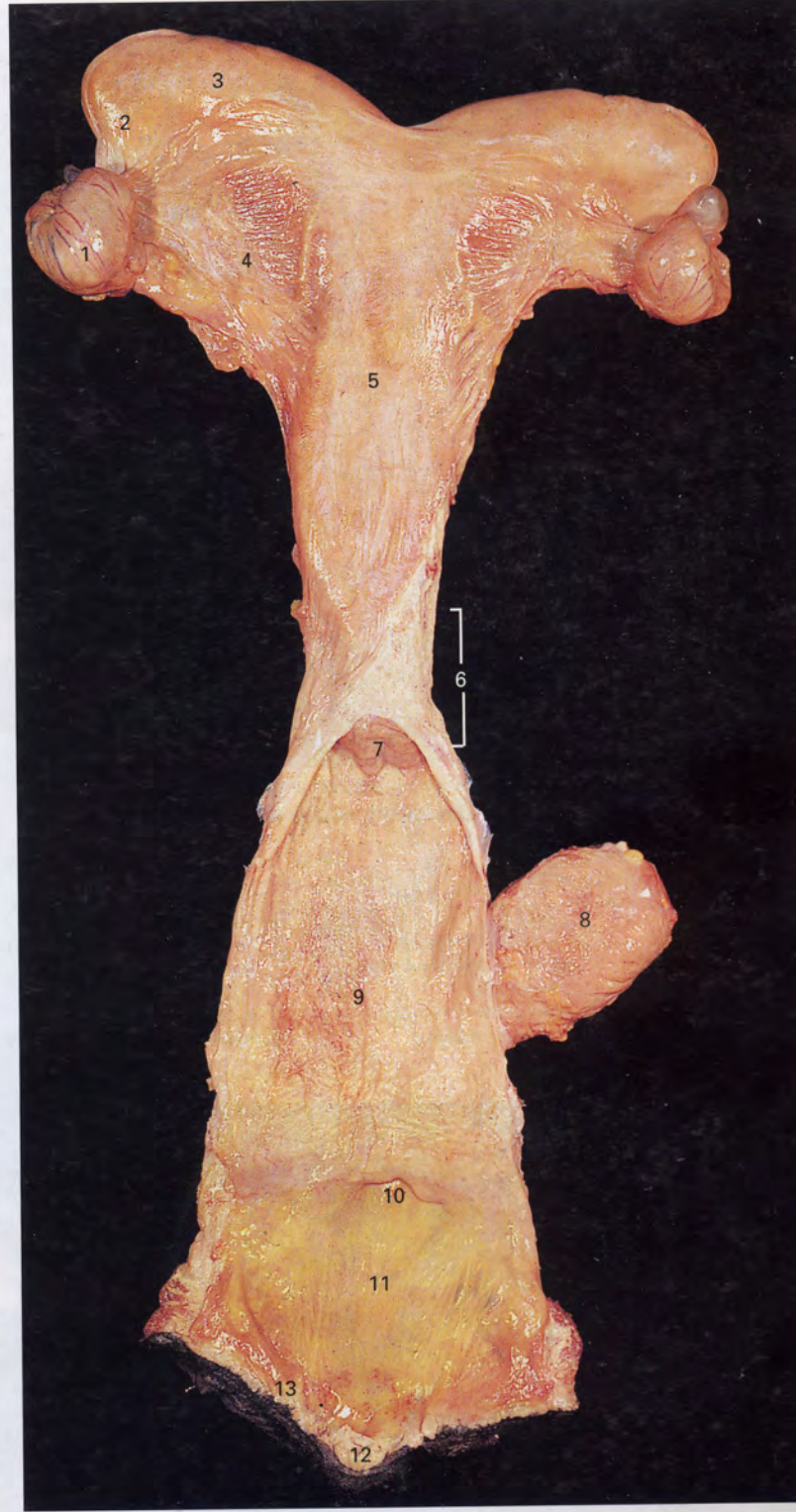
372. Ventral view of the caudal part of the pelvic urethra of a boar. The ventral side of the urethra has been removed to show the opening of the bulbourethral ducts.

- | | |
|---|--|
| 1 Urethral muscle | 5 Bulbospongiosus muscle |
| 2 Secretory tissue of the bulbourethral gland | 6 Cut edge of the urethral mucosa at the point where the urethra turns ventrally |
| 3 Urethra | 7 Disseminate part of the prostate gland |
| 4 Opening of the bulbourethral ducts | |



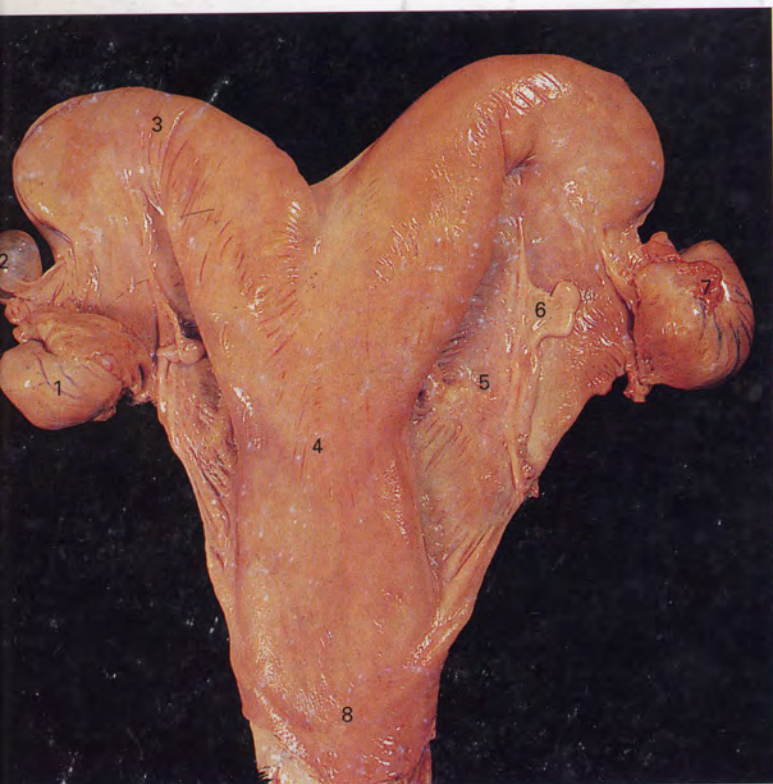
373. The distal extremity of the penis of a boar seen from the right side.

- | | |
|---|--|
| 1 Position of the urethral orifice | 3 Reflection of the preputial mucosa |
| 2 Course of the urethra and the surrounding spongy erectile tissue (corpus spongiosum) is shown by the reddish line | 4 Reflected parietal layer of the preputial mucosa |
| | 5 Body of the penis |



374. Dorsal view of the reproductive tract of a mare. The vagina and vestibule have been opened from the dorsal side.

- | | |
|----------------------------------|---------------------|
| 1 Ovary | 8 Bladder |
| 2 Tip of the left uterine horn | 9 Vagina |
| 3 Left uterine horn | 10 Urethral opening |
| 4 Broad ligament | 11 Vestibule |
| 5 Body of the uterus | 12 Clitoris |
| 6 Position of the cervix | 13 Vulva |
| 7 External opening of the cervix | |



375. Ventral view of the uterus and related structures in the mare.

- | | |
|---|---|
| 1 Ovary | 5 Broad ligament |
| 2 Para-ovarian cyst, a common and innocuous abnormality | 6 Round ligament of the uterus |
| 3 Right horn of the uterus | 7 Fimbria of the uterine tube (oviduct) |
| 4 Body of the uterus | 8 Position of the cervix |



376. Dorsal view of the uterus and related structures in the mare opened from the dorsal side.

- | | |
|-----------------------------------|------------------------------------|
| 1 Ovary | 4 Mucosa of the body of the uterus |
| 2 Tip of the left uterine horn | 5 Cervix |
| 3 Mucosa of the left uterine horn | 6 Vagina |



377. Dorsal view of the uterus of a pregnant mare 13 days after ovulation. It has been opened from the dorsal side.

- | | |
|--|----------------------------------|
| 1 Ovaries | 4 Base of the left uterine horn |
| 2 Unopened part of the left uterine horn | 5 Base of the right uterine horn |
| 3 Embryo lying on the endometrium (2 cm in diameter) | 6 Cervix |
| | 7 Body of the uterus |



378. An equine ovary sectioned from the convex mesovarial border to the free concave border bearing the ovarian fossa. The cut surfaces of both halves are shown.

- | | |
|---|--|
| 1 Central clot in a recently formed corpus luteum | 4 Tongue of luteal tissue extending towards the ovarian fossa indicating the route followed at ovulation |
| 2 Luteal tissue | 5 Ovarian fossa (ovulation fossa) |
| 3 Interstitial tissue of the ovary | 6 Small ovarian follicles |



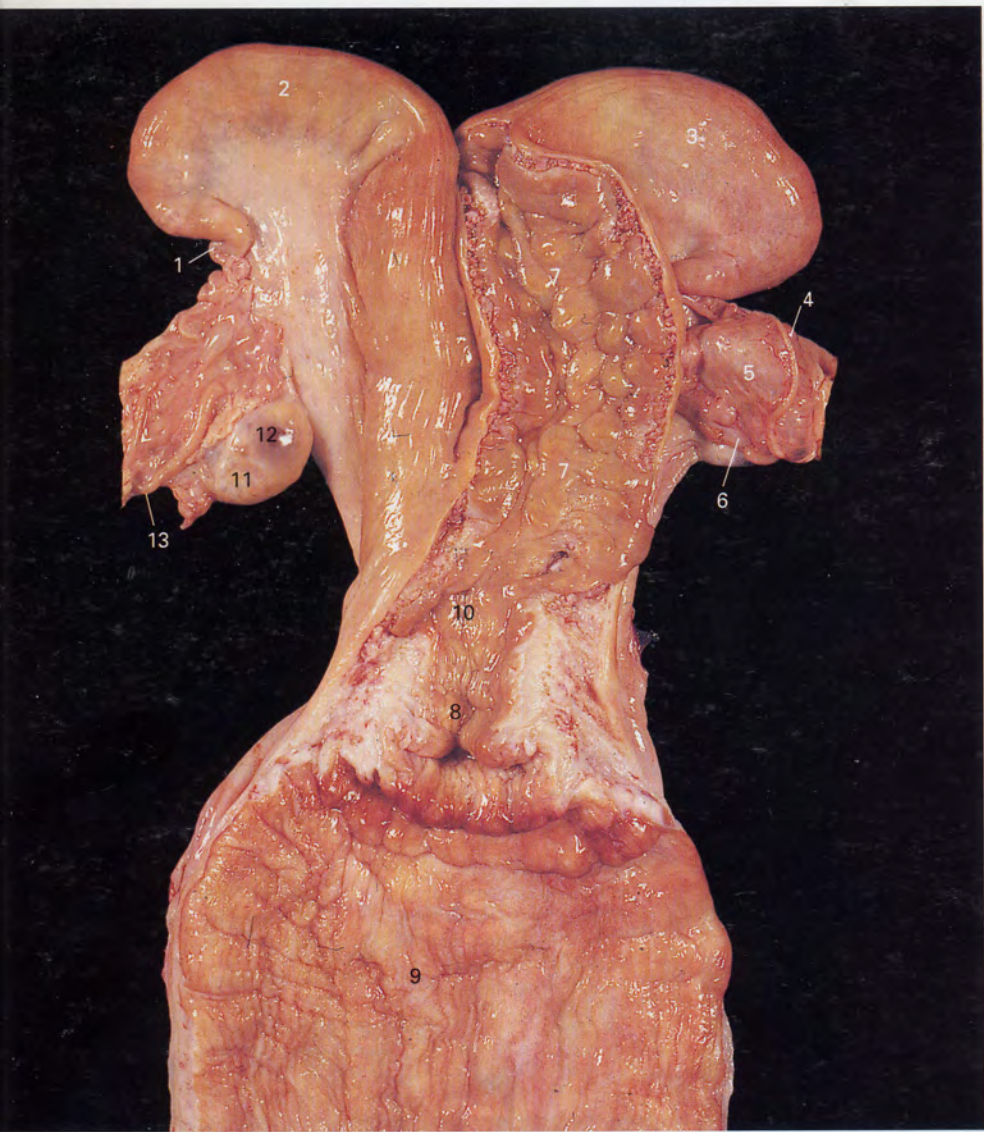
379. The conceptus of a mare removed from the uterus. All that can be seen directly is the exterior of the allantochorion. The allantochorion has the diffuse, microcotyledonary form that is characteristic of equids. Ten months' gestation.

- | | |
|---|---|
| 1 Principal part of the allantochorion containing the fetus; it occupied the body of the uterus and the uterine horn in which fixation of the embryo occurred | 2 Smaller part of the allantochorion that occupied the other uterine horn |
|---|---|



380. The same specimen as that seen in the previous photograph. The allantochorion has been opened to show the fetus lying within the amnion (scale = 30 cm).

- | | |
|--|--|
| 1 Allantochorion | 5 Allantoic vessels ramifying on the inner surface of the allantochorion |
| 2 Amnion | 6 Allantoic part of the umbilical cord |
| 3 Branches of the allantoic vessels supplying the amnion | |
| 4 Part of the amnion containing amniotic fluid | |



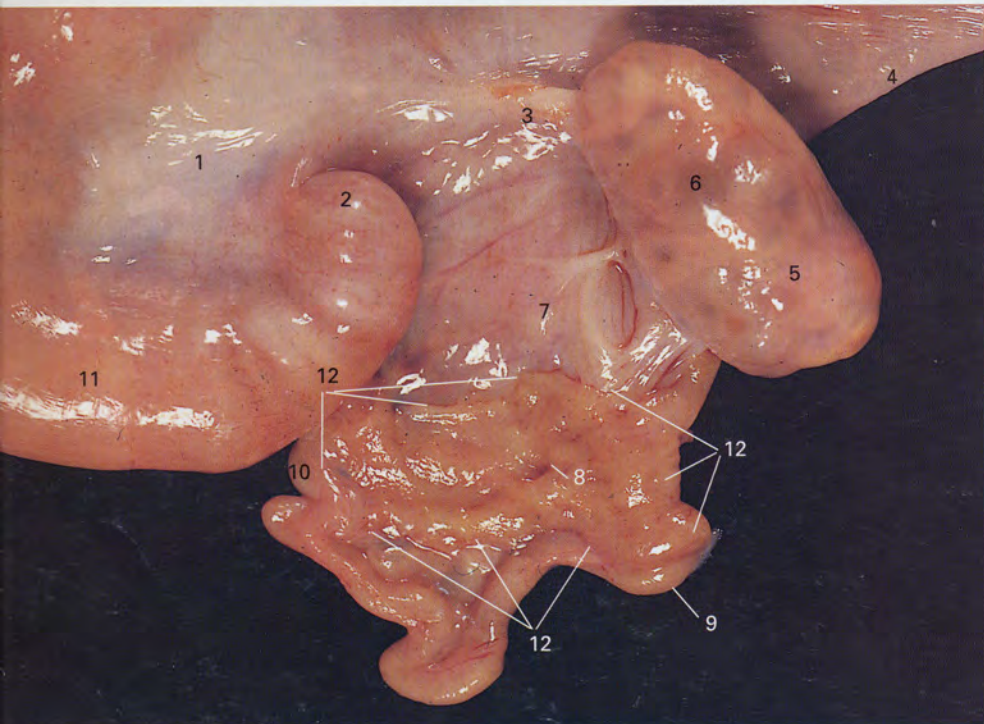
381. Dorsal view of the reproductive tract of a parous cow. The cranial part of the vagina, the cervix, the body of the uterus and part of the right horn have been opened from the dorsal side.

- | | |
|--|--|
| 1 Uterotubal junction | 7 Opened part of the right uterine horn; the mucosal projections are caruncles |
| 2 Left horn of the uterus | 8 Cervix |
| 3 Right horn of the uterus | 9 Cranial part of the vagina |
| 4 Isthmus of the uterine tube (oviduct) | 10 Body of the uterus |
| 5 Right ovary enveloped in the ovarian bursa; the uterine tube runs in the wall of the bursa | 11 Left ovary |
| 6 Ampulla of the uterine tube (oviduct) | 12 Large ovarian follicle |
| | 13 Left uterine tube (oviduct) |



382. The middle part of the uterine horn of a non-pregnant cow opened to show the mucosa.

- | | |
|-------------|-------------------------|
| 1 Caruncles | 2 Intercaruncular areas |
|-------------|-------------------------|

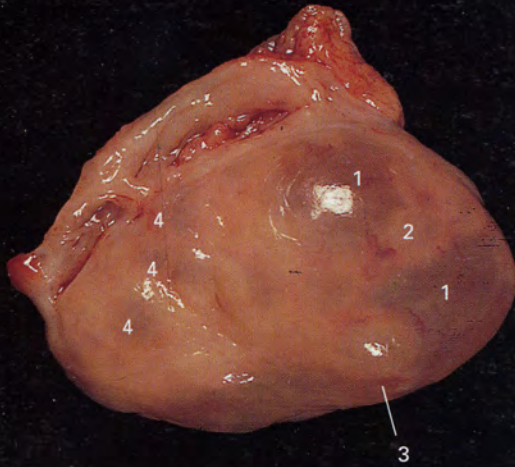


383. The ovary and associated structures in a cow. Note that mesometrium, mesosalpinx and mesovarium can only be imprecisely delineated but form parts of a functional unit that can conveniently be referred to as the broad ligament.

- | | |
|---|--|
| 1 Mesometrium | 5 Ovary |
| 2 Tip of the uterine horn; because the extreme end of the uterus is turned away from the camera, the uterotubal junction cannot be seen | 6 Medium sized follicle |
| 3 Mesovarium | 7 Mesosalpinx |
| 4 Cut edge of the mesometrium | 8 Infundibular opening |
| | 9 Ampulla of the uterine tube (oviduct) |
| | 10 Isthmus of the uterine tube (oviduct) |
| | 11 Uterine horn |
| | 12 Outline of the fimbria |

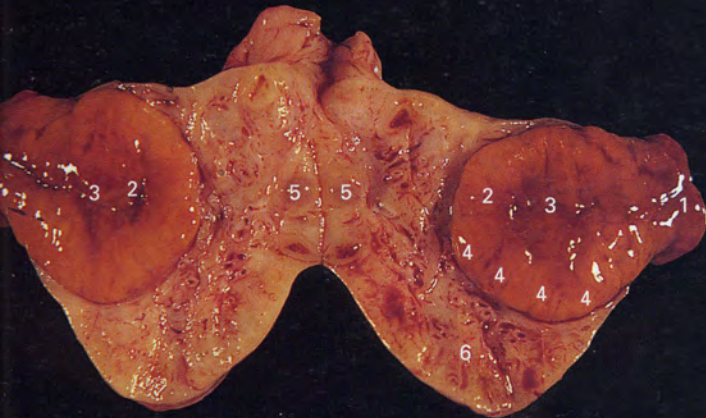
384. Bovine ovary containing a large follicle.

- | | |
|---|-----------------------------------|
| 1 Preovulatory follicle | 3 Luteal scar |
| 2 Small antral follicles overlying the larger one | 4 Numerous small antral follicles |



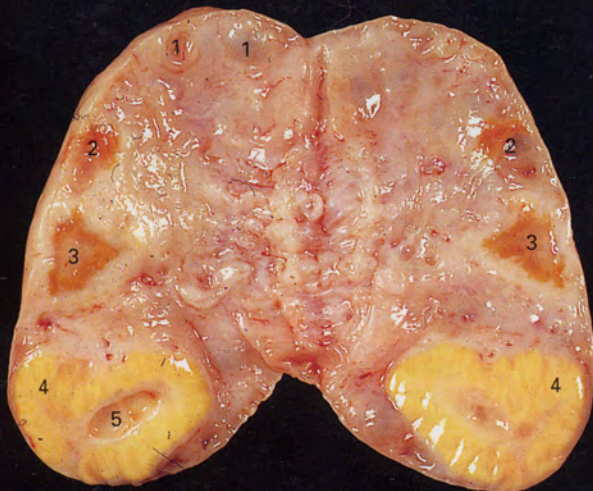
385. A bovine ovary sectioned longitudinally from the free border towards the attachment of the mesovarium. The cut surfaces face the camera and show an active corpus luteum during the early luteal phase (scale = 1 cm).

- | | |
|---|---|
| 1 Part of the corpus luteum that protrudes from the ovarian surface at the point of ovulation | 3 Residue of the central blood clot often formed at the time of ovulation |
| 2 Part of the corpus luteum buried within other ovarian tissues | 4 Fully developed luteal tissue |
| | 5 Small ovarian follicles |
| | 6 Interstitial tissue |



386. A bovine ovary sectioned longitudinally from the free border towards the attachment of the mesovarium. It has been opened so that both cut surfaces face the camera and shows corpora lutea of the oestrous cycle in various stages of regression.

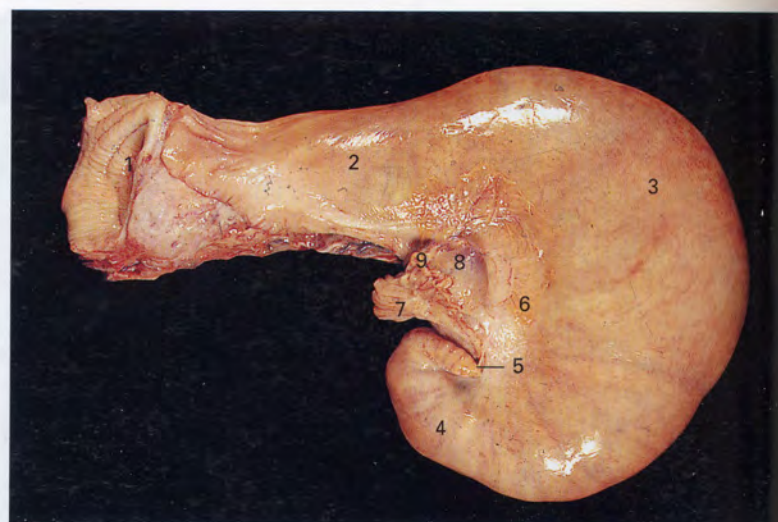
- | | |
|--|---|
| 1 Small follicles | 4 Corpus luteum that has only recently begun to regress |
| 2 Remnants of the corpus luteum of the antepenultimate cycle | 5 Small central cavity in the corpus luteum; this is not always present but is not abnormal |
| 3 Remnants of the corpus luteum of the penultimate cycle | |





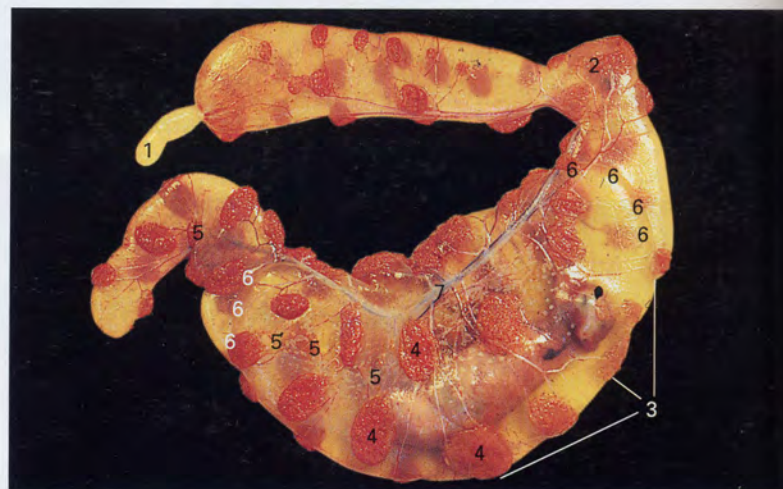
389. The tubular genitalia of a ewe opened from the dorsal side. The ovaries have been removed.

- | | |
|---|-----------------------------|
| 1 Left uterine horn | 4 Cervix |
| 2 Typical caruncles, in this case forming part of the endometrium of the right horn | 5 Vagina |
| 3 Body of the uterus | 6 External urethral opening |
| | 7 Vestibule |
| | 8 Vulva |



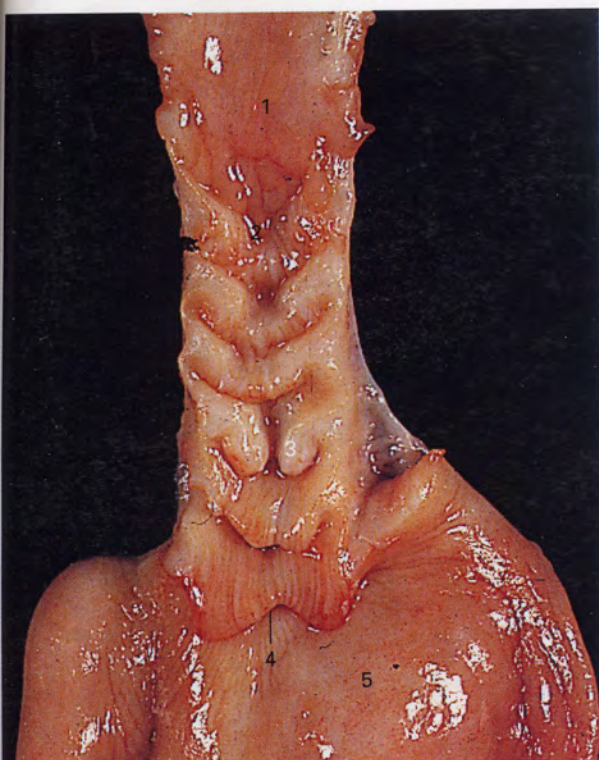
387. Lateral view of the pregnant uterus of a cow at about 80 days gestation. The right horn, which contains the fetus, entirely obscures the left horn.

- | | |
|--|--|
| 1 Vaginal opening of the cervix | 6 Broad ligament of the uterus (mesometrium, mesosalpinx and mesovarium) |
| 2 Body of the uterus | 7 Cut attachment of the more caudal part of the broad ligament |
| 3 Middle part of the uterine horn containing the fetus | 8 Ovary containing the corpus luteum of pregnancy |
| 4 Tip of the uterine horn containing allantochorion only | 9 Ampulla of the uterine tube (oviduct) |
| 5 Uterotubal junction | |



388. A bovine conceptus carefully separated from the endometrium. About 100 days' gestation.

- | | |
|---|---|
| 1 Necrotic tip at the end of the arm of the allantochorion occupying the horn of the uterus that does not contain the fetus | 3 Part of the allantochorion occupying the horn of the uterus that contains the fetus |
| 2 Part of the allantochorion lying in the body of the uterus | 4 Cotyledons |
| | 5 Intercotyledonary area |
| | 6 Limit of the amnion |
| | 7 Axial placental blood vessels |



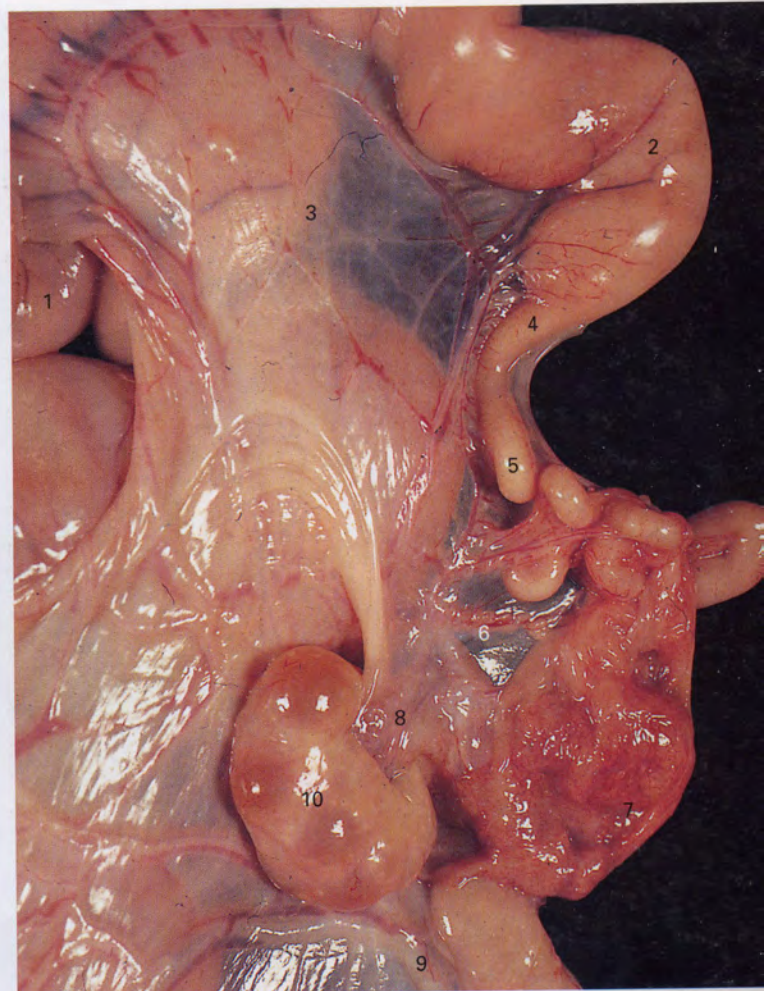
390. Detail of the cervix of a ewe.

- | | |
|---|---|
| 1 Endometrium | canal is seen in dorsal section at this level |
| 2 Internal opening | |
| 3 One of the circular folds of the cervix; the cervical | 4 External opening |
| | 5 Vaginal mucosa |



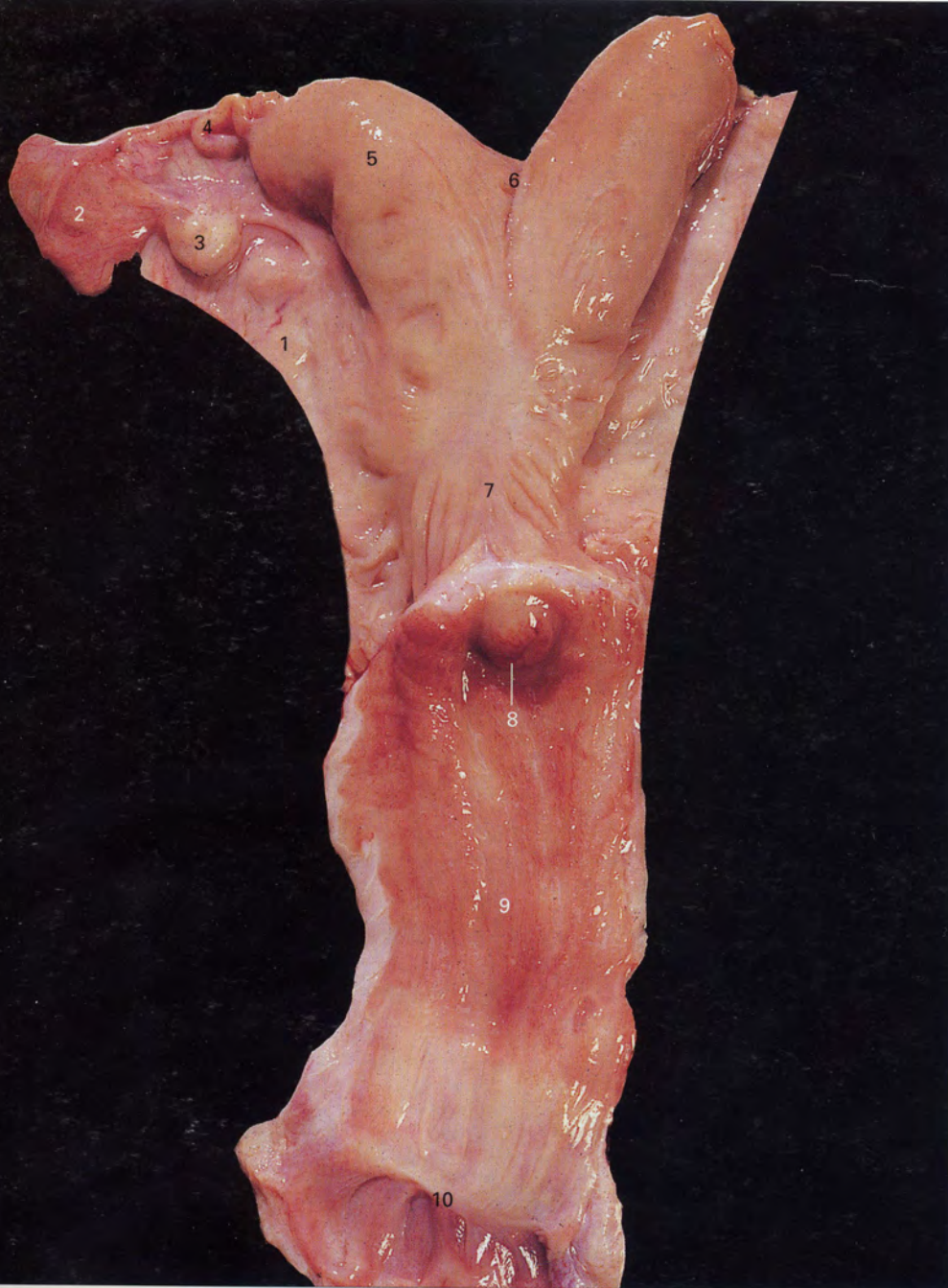
392. The ovary of a sheep containing a recently formed corpus luteum.

- | | |
|---|--|
| 1 Mesovarium | 4 Small amount of luteal tissue protruding from the ovarian surface at the site of ovulation |
| 2 Ovary | |
| 3 Large swelling within the ovary indicates the position of most of the luteal tissue | |



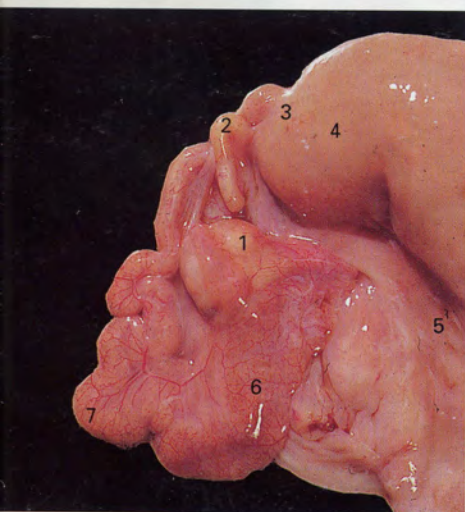
391. The right ovary and related structures in a ewe.

- | | |
|---|--|
| 1 Middle of the right uterine horn | 6 Mesosalpinx |
| 2 Tip of the right uterine horn | 7 Fimbria of the uterine horn |
| 3 Mesometrium | 8 Mesovarium |
| 4 Uterotubal junction | 9 Uterine artery |
| 5 Isthmus of the uterine tube (oviduct) | 10 Ovary containing four large follicles |



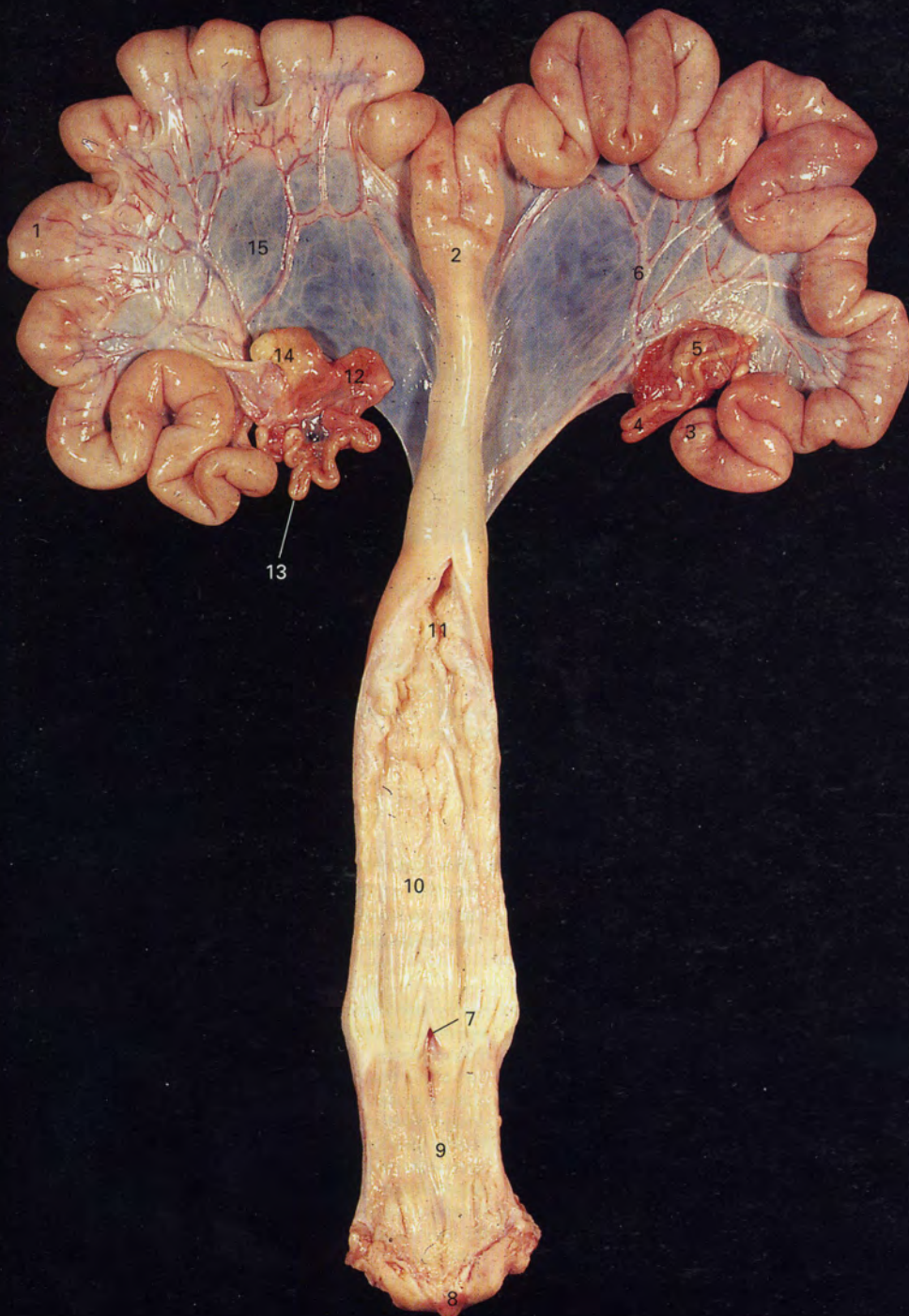
393. Dorsal view of the female reproductive tract of a llama. The vagina has been opened from the dorsal side. The right ovary and most of the vestibule have been removed.

- | | |
|---|---|
| 1 Broad ligament of the uterus | 6 Intercornual ligament |
| 2 Fimbria | 7 Body of the uterus |
| 3 Ovary | 8 External opening of the cervix |
| 4 Isthmus of the uterine tube (oviduct) | 9 Vagina |
| 5 Left uterine horn | 10 Junction of the vagina and vestibule |



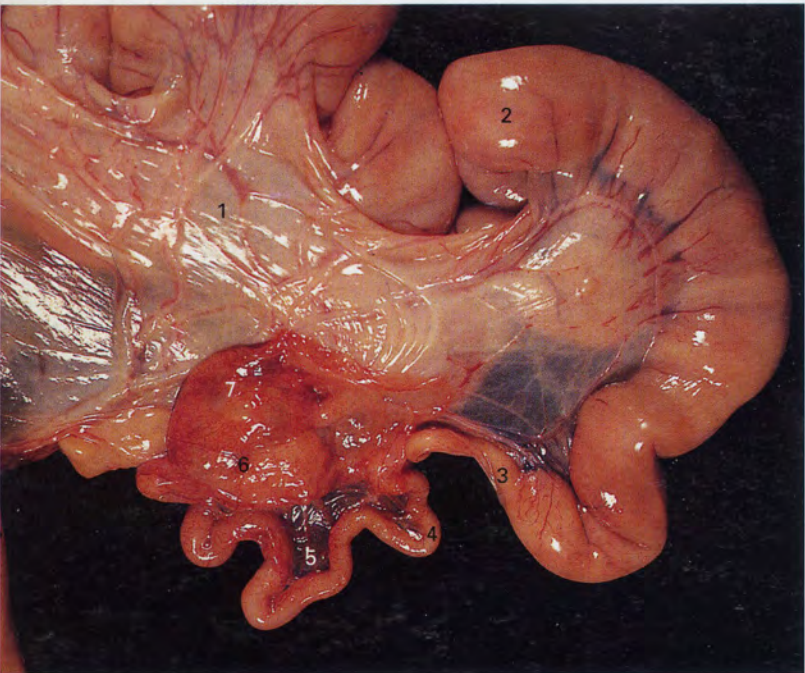
394. The tip of the left uterine horn and related structures in a llama.

- | | |
|--|---|
| 1 Left ovary enveloped by the wall of the ovarian bursa (the free part of the mesosalpinx) | 4 Tip of the left uterine horn |
| 2 Isthmus of the uterine tube (oviduct) | 5 Broad ligament of the uterus |
| 3 Uterotubal junction | 6 Fimbria |
| | 7 Ampulla of the uterine tube (oviduct) |



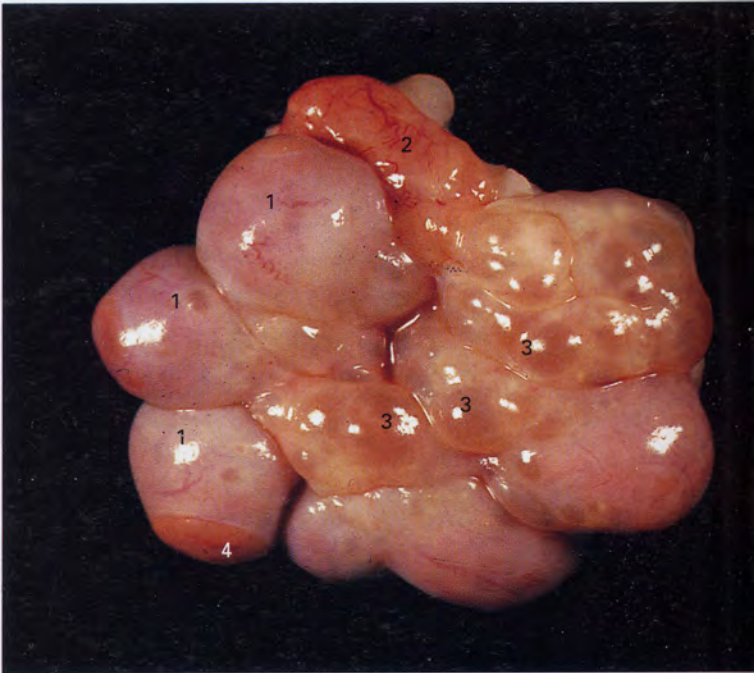
395. Dorsal view of the female reproductive tract of a pig. The vagina and vestibule have been opened from the dorsal side.

- | | |
|---|---|
| 1 Left uterine horn | 10 Vagina |
| 2 Body of the uterus | 11 Vaginal opening of the cervix showing some of the more caudal interlocking tubercles (pulvini) |
| 3 Tip of the right uterine horn | 12 Fimbria of the uterine tube |
| 4 Right uterine tube (oviduct) | 13 Left uterine tube (oviduct) |
| 5 Right ovary enveloped by the wall of the ovarian bursa (the free part of the mesosalpinx) | 14 Left ovary exposed following retraction of the ovarian bursa |
| 6 Branches of the uterine artery and the utero-ovarian vein | 15 Broad ligament of the uterus |
| 7 Urethral opening | |
| 8 Vulva | |
| 9 Vestibule | |



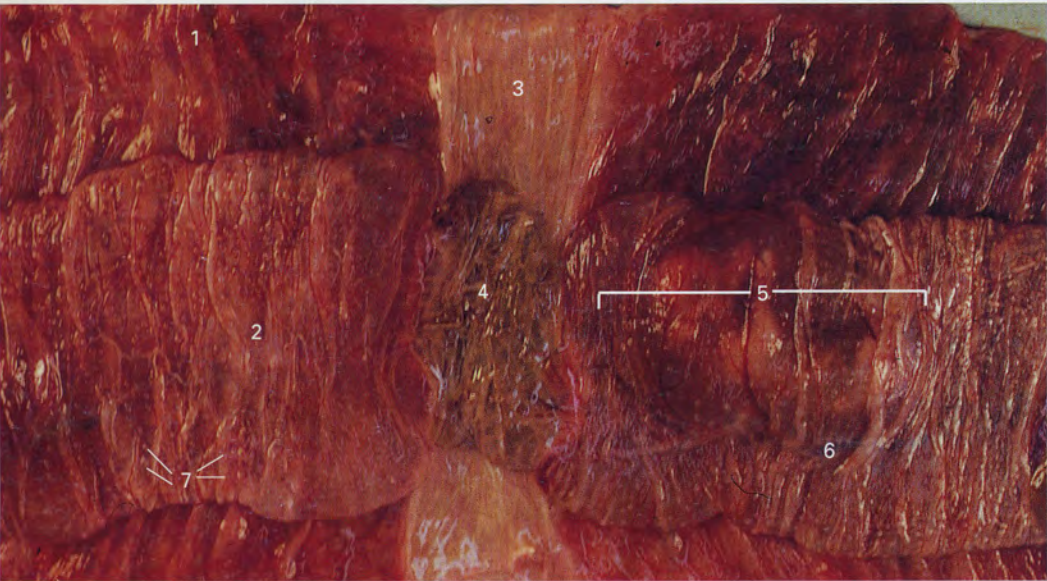
396. Detail of the uterine tube (oviduct) and related structures in a pig.

- | | |
|--------------------------------|---|
| 1 Broad ligament of the uterus | 5 Mesosalpinx |
| 2 Right uterine horn | 6 Ovary seen through the free part of the mesosalpinx |
| 3 Uterotubal junction | 7 Fimbria of the uterine tube |
| 4 Isthmus of the uterine tube | |



397. The ovary of a pig.

- | | |
|----------------------------------|---|
| 1 Corpora lutea | 4 Luteal tissue protruding through the point of ovulation |
| 2 Cut mesovarium | |
| 3 Medium sized ovarian follicles | |



398. The placenta of a pig. The specimen shows a short section of the uterus opened along the mesometrial side to reveal parts of two conceptuses lying on the endometrium. About 42 days' gestation.

- | | |
|--|---|
| 1 Highly vascularized placental part of the endometrium | 5 Amnion of the conceptus on the right, containing the fetus surrounded by amniotic fluid |
| 2 Part of the allantochorion of the conceptus to the left dilated by allantoic fluid | 6 Primary branches of the placental vessels visible through the allantochorion |
| 3 Poorly vascularized interloocular part of the endometrium | 7 Regular areolae |
| 4 Entangled necrotic tips of the conceptuses to the right and left | |