

## Lab 1

Term	Species
Cervical spinal nerve 2 (C2)	Carnivore
Great auricular n.	Carnivore; innervates skin on caudal surface of ear
Cervical spinal nerves 3-5 (C3-5)	Carnivore
Accessory n. (CN XI)	All; innervates trapezius, omotransversarius, sternocephalicus, and cleidocephalicus mm.
Carotid sheath	All; know contents
Vagosympathetic trunk	All
Vagus n. (CN X)	Carries parasympathetic fibers from brain
Sympathetic trunk	Carries sympathetic fibers
Common carotid a.	All
Internal jugular v.	Identify in the Pig; Otherwise, know that it is included in the contents of the carotid sheath in other species, <i>but don't identify in species other than pig</i>
Tracheal trunk	Lymphatic vessel; know that it is included in the contents of the carotid sheath, <i>but don't identify</i>
Intercostal a./v./n.	All

## Lab 2

<b>Nerves of the Thoracic Cavity</b>	
<b>Features</b>	<b>Species</b>
Vagus n.	All
Left recurrent laryngeal n.	All; courses cranially to innervate cricoarytenoideus dorsalis (CAD) m.
Cricoarytenoideus dorsalis (CAD) m.	<i>Understand innervation, don't identify</i>
Right recurrent laryngeal n.	Horse; <i>Understand course, but don't identify in the carnivore or artiodactyl</i>
Dorsal and ventral brr.	Carnivores
Dorsal vagal trunk	All; combination of left and right dorsal brr. of vagus nn.
Ventral vagal trunk	All; combination of left and right ventral brr. of vagus nn.
Phrenic n.	All; innervates diaphragm
Diaphragm m.	All
Sympathetic trunk	Carnivores
Ramus communicans	Carnivores; connects sympathetic trunk ganglion to spinal nerve
Sympathetic trunk ganglion	Carnivores
Cervicothoracic ganglion	Carnivores
Vertebral n.	Carnivores; courses cranially from cervicothoracic ganglion
Middle cervical ganglion	Carnivore
Ansa subclavia	Carnivore
Subclavian artery	Ansa subclavia loops around subclavian a.

## Lab 3

<b>Nervous Structure</b>	<b>Species</b>
External abdominal oblique m.	Carnivore
Internal abdominal oblique m.	Carnivore
Transversus abdominus m.	Carnivore
Nerves of the abdominal wall	See below
Cutaneous brr. of T13-L3	All
Lateral cutaneous femoral n.	All
Dorsal vagal trunk	Carnivore; understand that it passes through the esophageal hiatus, <i>don't identify in abdomen</i>
Ventral vagal trunk	Carnivore; understand that it passes through the esophageal hiatus, <i>don't identify in abdomen</i>
Lumbar sympathetic trunk	Carnivore
Major splanchnic n.	Carnivore
Celiacomesenteric ganglion and plexus	Carnivore
Caudal mesenteric ganglion and plexus	Carnivore
Left and right hypogastric nn.	Carnivore

## Lab 4

<b>Terms</b>	<b>Species</b>	<b>Muscle(s) Innervated/Notes</b>
Brachial plexus	All	Roots includes C6, C7, C8, T1, T2
Cranial pectoral nn.	Know innervation, don't identify	1. Superficial pectoral m.
Caudal pectoral nn.	Know innervation, don't identify	1. Deep pectoral m.
Thoracodorsal n.	Carnivore	1. Latissimus dorsi m.
Lateral thoracic n.	Carnivore	1. Cutaneous trunci m.
Long thoracic n.	All	1. Serratus ventralis m.
Suprascapular n.	All	1. Supraspinatus m. 2. Infraspinatus m.
Subscapular n.	All	1. Subscapularis m.
Axillary n.	All	1. Deltoideus m. 2. Teres major m. 3. Teres minor m.
Musculocutaneous n.	All	1. Biceps brachii m. 2. Brachialis m.
Medial cutaneous antebrachial n.	(Understand, don't identify)	Cutaneous (sensory) innervation of medial arm
Radial n.	All	1. Triceps brachii m. 2. Brachioradialis m. 3. Extensors of the carpus and digits
Deep branch	All	

Superficial branch	All	
Lateral cutaneous antebrachial n.	Carnivore (Understand, don't identify)	Cutaneous (sensory) innervation of lateral arm
Median n.	All	1. Flexors of the carpus and digits (know that these mm. are innervated by median <b>and</b> ulnar nn.)
Ulnar n.	All	1. Flexors of the carpus and digits (know that these mm. are innervated by median <b>and</b> ulnar nn.)
Caudal cutaneous antebrachial n.	Carnivore (Understand, don't identify)	Cutaneous (sensory) innervation of caudal arm
Autonomous zones of the manus	Understand in the carnivore	Radial n. or ulnar n.
Dorsal/palmar common digital nn. (I-IV)	Understand on model or skeleton, do not identify in cadaver	
Dorsal/palmar axial/abaxial proper digital nn. (I-V)	Understand on model or skeleton, do not identify in cadaver	

## Lab 5

Terms from this ungulate dissection lab may be duplicates from lab 4.

<b>Terms</b>	<b>Species</b>
Radial n.	All
Musculocutaneous n.	All
Median n.	All
Ulnar n.	All
Medial palmar n.	Horse
Carpal canal (i.e., Flexor canal of the carpus)	Horse
Lateral palmar n.	Horse
Communicating branch	Horse
Deep branch of lateral palmar n.	Horse
Medial and lateral palmar metacarpal nn.	Horse
Medial and lateral palmar digital nn.	Horse
Suspensory ligament	Horse; ox

## Lab 6

Terms	Species	Muscle(s) Innervated/Notes
Lumbosacral plexus	All	
Caudal gluteal n.	All	<ol style="list-style-type: none"> <li>1. Superficial gluteal m.</li> <li>2. Gluteofemoralis m.</li> <li>3. Cranial portion of gluteobiceps m.</li> </ol>
Cranial gluteal n.	All	<ol style="list-style-type: none"> <li>1. Middle gluteal m.</li> <li>2. Deep gluteal m.</li> <li>3. Tensor fascia latae m.</li> </ol>
Caudal cutaneous femoral n.	Carnivore	
Sciatic n.	All	<ol style="list-style-type: none"> <li>1. Biceps femoris m.</li> <li>2. Semitendinosus m.</li> <li>3. Semimembranosus m.</li> </ol>
Caudal cutaneous sural n.	Carnivore	Innervates skin of the caudal crus
Lateral cutaneous sural n.	Carnivore	Passes through the deep surface of the biceps femoris m.; innervates skin of lateral crus
Common fibular n.	All	<ol style="list-style-type: none"> <li>1. Cranial tibial m.</li> <li>2. Flexors of the tarsus, extensors of the digits</li> </ol>
Tibial n.	All	<ol style="list-style-type: none"> <li>1. Gastrocnemius m.</li> <li>2. Extensors of the tarsus, flexors of the digits</li> </ol>
Obturator n.	All	<ol style="list-style-type: none"> <li>1. Gracilis m.</li> <li>2. Adductor m.</li> <li>3. Pectineus m.</li> </ol>
Femoral n.	All	<ol style="list-style-type: none"> <li>1. Quadriceps femoris m.</li> </ol>
Saphenous n.	All	

Femoral triangle	All	Borders = abdominal body wall, sartorius m., and pectineus m.; Femoral artery and vein, and saphenous nerve pass through femoral triangle
Autonomous zones of pes	Carnivore	Tibial n. and common fibular n.

## Lab 7

Terms from this ungulate dissection lab may be duplicates from lab 6.

Terms	Species
Caudal gluteal n.	All
Cranial gluteal n.	All
Caudal cutaneous femoral n.	All
Sciatic n.	All
Common fibular n.	All
Superficial and deep fibular nn.	All
Tibial n.	All
Obturator n.	All
Femoral n.	All
Saphenous n.	All
Medial and lateral plantar nn.	Horse
Communicating branch	Horse
Deep branch of lateral plantar n.	Horse
Medial and lateral plantar metatarsal nn.	Horse
Medial and lateral plantar digital nn.	Horse

## Lab 8



Terms	Species
Vertebral foramen	All
Vertebral canal	All; combination of vertebral foramina in articulated vertebral column through which passes the spinal cord
Intervertebral foramen	All; foramen for spinal nerves to pass through to and from the spinal cord
Spinal cord segments	Understand, don't identify
Cervical intumescence C6-T2	Carnivore; enlargement of spinal cord related to brachial plexus
Lumbar intumescence L4-S3	Carnivore; enlargement of spinal cord related to lumbosacral plexus
Conus medullaris	Carnivore; tapered caudal end of spinal cord
Cauda equina	Carnivore; bundle of nerve roots at the caudal end of the spinal cord resembling "horse's tail"
Spinal nerves	Carnivore
Dorsal/ventral rootlets	<i>Identify on models</i>
Spinal ganglion (i.e., Dorsal root ganglion)	<i>Identify on models</i>
Dorsal atlanto-occipital membrane	Calf
Epidural space	Carnivore; calf
Dura mater	Carnivore; calf
Arachnoid membrane	<i>Identify on models</i>
Subarachnoid space	Carnivore
Cerebrospinal fluid (CSF)	Know that it flows through the subarachnoid space
Pia mater	Carnivore, also identify on models
White matter	Carnivore; Also be prepared to identify on models
Dorsal funiculus	<i>Identify on models/slides</i>
Lateral funiculus	<i>Identify on models/slides</i>
Ventral funiculus	<i>Identify on models/slides</i>
Grey matter	Carnivore; Also be prepared to identify on models
Dorsal horn	<i>Identify on models/slides</i>
Lateral horn	<i>Identify on models/slides</i>
Ventral horn	<i>Identify on models/slides</i>
Central canal	<i>Identify on models/slides</i>

Ascending tract	<i>Understand, don't identify</i>
Descending tract	<i>Understand, don't identify</i>