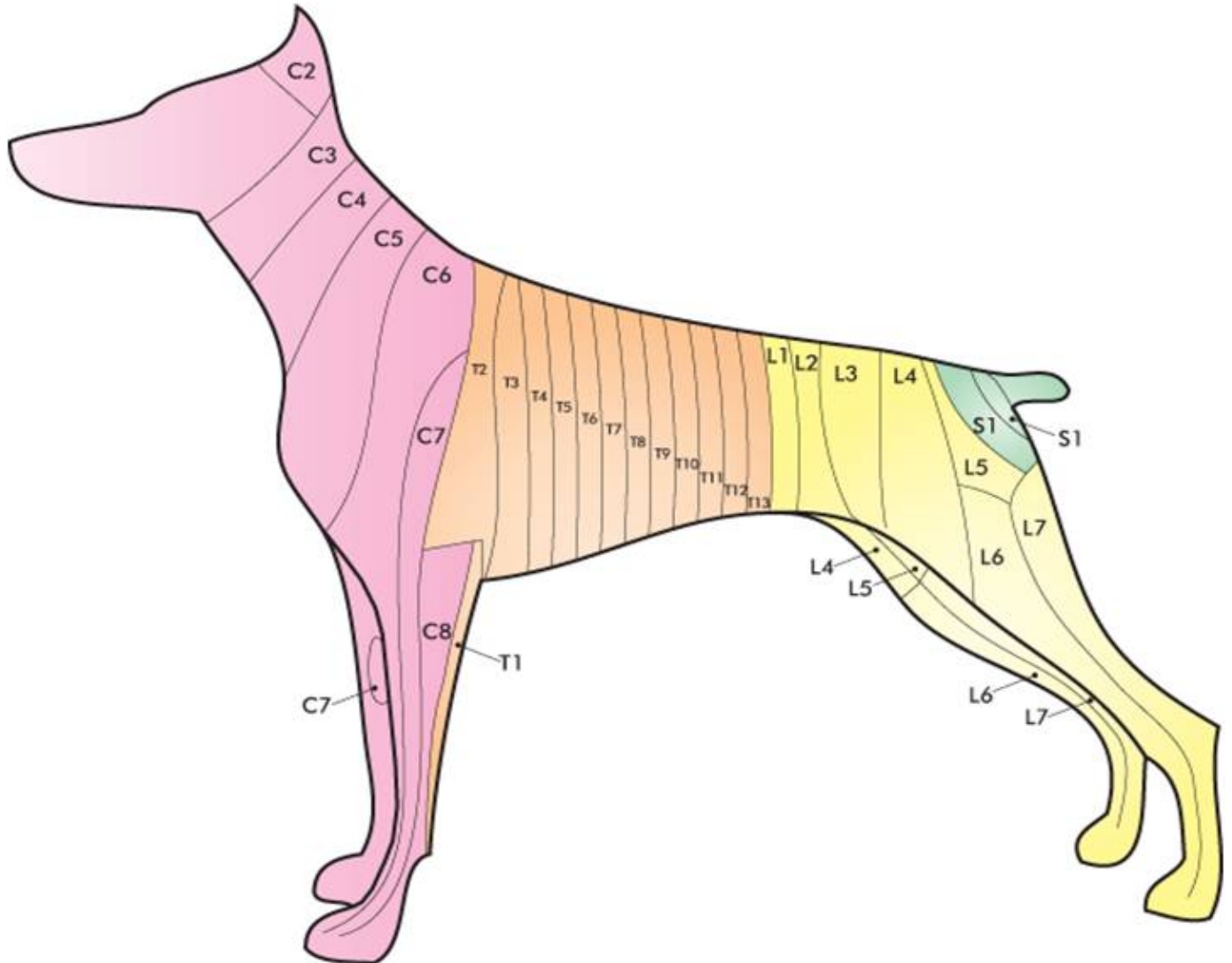


Canine Nerves



Canine Dermatomal Map

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Canine Nerves

Table 1. Segmental Nerve Roots, Peripheral Nerves and Thoracic Limb Muscle Innervation

Nerve	Nerve Roots	Muscles
Suprascapular N.	(C5), C6, C7	Supraspinatus, Infraspinatus
Subscapular N.	C6, C7	Subscapularis
Axillary N.	(C6), C7, C8	Teres Major, Teres Minor, Deltoideus, (Subscapularis)
Pectoral N.	C7, C8	Superficial and Deep Pectorals
Musculocutaneous N.	C6, C7, (C8)	Biceps Brachii, Brachialis, Coracobrachialis
Radial N.	C7, C8, T1, (T2)	Triceps brachii, Extensor carpi radialis, Ulnaris lateralis, Common digital extensor, Lateral digital extensor
Median N.	C8, T1, (T2)	Flexor carpi radialis, Superficial digital flexor, (Deep digital flexor)
Ulnar N.	C8, T1, (T2)	Flexor carpi ulnaris, Deep digital flexor
Thoracodorsal N.	(C7), C8, (T1)	Latissimus Dorsi

Table 2. Branches of the Thoracic Spinal Nerves

Meningeal Branch	Supplies the dura mater, the dorsal longitudinal ligament, the vertebral venous sinus and other blood vessels in the canal. Each annulus fibrosus of the disc is supplied by meningeal branches from two or more spinal nerves.
Dorsal Branch	Divided into medial and lateral branches. Supply the epaxial muscles and skin over the dorsal aspect of the body wall.
Ventral Branch	Also called intercostals nerves. These are also divided into medial and lateral branches except in the region of the brachial plexus and lumbosacral plexus or the supply to the tail. The intercostals nerves supply the hypaxial muscles of the body wall and give off lateral and ventral cutaneous branches to supply the skin of the lateral and ventral aspects of the body wall.
The Visceral Branch	Carries only general visceral sympathetic fibers to and from visceral structures.

Canine Nerves

Table 3. Segmental Nerve Roots, Peripheral Nerves and Thoracic Limb Muscle Innervation

Nerve	Nerve Roots	Muscles
Femoral Nerve	L4, L5, L6	Iliopsoas, Quadriceps complex, Sartorius
Obturator Nerve	(L4), L5, L6	External obturator, Pectineus, Gracilis, Adductor
Cranial Gluteal Nerve	L6, L7, S1	Middle Gluteal, Deep Gluteal, Tensor Fascia Lata, Piriformis
Caudal Gluteal Nerve	L7 (S1, S2)	Superficial gluteal, (Middle gluteal), (Biceps Femoris), (Semitendinosus)
Sciatic Nerve	L6, L7, S1 (S2)	Biceps Femoris, Semimembranosus, Semitendinosus, Obturator internus, Quadratus femoris, Gemelli
Common Peroneal Nerve	a/a	Peroneus longus, Lateral digital extensor, Long digital extensor, Cranial tibial
Tibial Nerve	a/a	Gastrocnemius, Popliteus, Superficial digital flexor
Pudendal Nerve	S1, S2, S3	External anal sphincter, the external genitalia

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