Southeast Veterinary Neurology Neurologic Exam Form

www.SEVNeurology.com

Paitent Name:_____ Age:_____ Gender: _____ Breed:_____

Mentation	☐ Appropriate		☐ Inappropriate	
Gait	☐ Normal			
	☐ Ambulatory :	☐ Proprioceptive ataxia	☐ Vestibular ataxia	☐ Cerebellar ataxia
		☐ monoparesis	☐ paraparesis	☐ tetraparesis
	☐ Non-ambulatory :	☐ monoparesis	☐ paraparesis	☐ tetraparesis
	☐ Plegic :	☐ mono	☐ para	☐ tetra
		☐ Superfical/Deep pain sensation	☐ Yes	☐ No
Posture	☐ Normal	☐ Head Tilt (Left/Right)	☐ Head Turn (Left/Right)	

Cranial Nerve Examination

N = Normal, D = Delayed, A = Absent, P = Present

Left	Test	Right
☐ N ☐ D ☐ A	**Menace Response** (CN II, Occipital lobe, Thalamus, Midbrain, Cerebellum, CN VII)	☐ N ☐ D ☐ A
☐ N ☐ D ☐ A	**Direct Pupillary Light Reflex** (CN II, Midbrain, CN III)	☐ N ☐ D ☐ A
☐ N ☐ D ☐ A	**Consensual Pupillary Light Reflex** (CN II, Midbrain, CN III)	☐ N ☐ D ☐ A
☐ N ☐ D ☐ A	**Nasal Sensation** (CN V, Thalamus, Forebrain)	☐ N ☐ D ☐ A
☐ N ☐ Atrophy	**Muscle of Mastication** (CN V Motor branch)	☐ N ☐ Atrophy
☐ N ☐ D ☐ A	**Palpebral Reflex** (CN V, Pons, CN VII)	☐ N ☐ D ☐ A
☐ N ☐ D ☐ A	**Physiologic Nystagmus** (CN III, CN IV, CN VI)	☐ N ☐ D ☐ A
☐ P ☐ A ☐ Horizontal ☐ Rotary ☐ Vertical Fast Phase Direction _____	**Spontaneous Nystagmus** (CN VIII, Medulla) **Positional Nystagmus**	☐ P ☐ A ☐ Horizontal ☐ Rotary ☐ Vertical Fast Phase Direction _____
☐ P ☐ A ☐ Lateral ☐ Medial	**Resting Strabismus** (CN III, CN IV, CN VI) **Positional Strabismus** (CN VIII)	☐ P ☐ A ☐ Lateral ☐ Medial
☐ N ☐ Dec ☐ A	**Jaw Tone** (CN V, Pons)	☐ N ☐ Dec ☐ A
☐ N ☐ Dec ☐ A	**Gag Reflex** (CN IX, Medulla, CN X)	☐ N ☐ Dec ☐ A
☐ N ☐ Dec ☐ A	**Tongue Strength/Symmetry** (CN XII)	☐ N ☐ Dec ☐ A

Spinal Reflexes

0 = Absent, 1 = Decreased, 2 = Normal, 3 = Hyper-reflexive, 4 = Hyper-reflextive with clonus

Left	Thoracic Limbs	Right	Left	Pelvic Limbs	Right
	Flexor Withdrawal (C6-T1)			Flexor Withdrawal (L4-S1)	
	Crossed Extensor Present (Y/N)			Crossed Extensor Present (Y/N)	
				Patellar reflex (Y/N)	

Spinal Palpation: Comfortable **Hyperesthesia:** Cervical Thoracic T-L Junction Lumbar L-S Junction

SCAN ME

Neuro Exam "How-to" playlist
Scan the QR-code or visit bit.ly/SEVNNEUROEXAM to see a full playlist for more info or "How-to" guides on neuro exams.

Refer to one of the Southeast Veterinary Neurology locations:
Miami : (305) 274-2777 | Boynton: (561) 736-7736 | Jupiter: (561) 781-3777

Neurolocalization: Clinical Signs

Forebrain	Seizures, behavior changes, circling, head pressing, menace deficits, altered mental status
Cerebellum	Exaggerated movements, hypermetria and ataxia without weakness, intention tremors, unilateral menace deficits, vestibular dysfunction
Peripheral vestibular	Head tilt toward lesion, horizontal or rotary nystagmus, vestibular ataxia, ipsilateral strabismus, +/- ipsilateral facial nerve paresis, +/- ipsilateral Horner syndrome, intact postural reactions, normal mental status
Central vestibular	Head tilt toward lesion (unless paradoxical) , horizontal/rotary/vertical nystagmus that may change direction with head position, ataxia and paresis, ipsilateral strabismus, +/- CN V, VI, VII, IX, X, or XII abnormalities, ipsilateral postural reaction deficits, +/- altered mental status (depressed/stuporous/comatose), +/- dysmetria/hypermetria or intention tremors
C1-C5	Tetraparesis/tetraplegia, normal or hyperactive spinal reflexes, postural reaction deficits in all four limbs, ataxia in all four limbs
C6-T2	Tetraparesis/tetraplegia, short-strides in the thoracic limbs with long strides in the pelvic limbs (two-engine gait), postural reaction deficits in all four limbs, decreased/absent reflexes in the thoracic limbs with normal to hyperactive reflexes in the pelvic limbs, +/- Horner syndrome
T3-L3	Paraparesis/paraplegia, Schiff-Sherrington syndrome, postural reaction deficits in the pelvic limbs only, intact spinal reflexes in all four limbs +/- hyperactive pelvic limb reflexes, absent cutaneous trunci reflex caudal to the lesion, +/- crossed extensor reflex in pelvic limbs, normal thoracic limbs, normal to increased pelvic limb tone
L4-S3	Flaccid paraparesis/paraplegia, normal thoracic limbs, decreased pelvic limb tone, hyporeflexia/areflexia in the pelvic limbs, +/- absent anal tone and perineal reflex, postural reaction deficitis in the pelvic limbs
Neuromuscular (Lower Motor Neuron)	Tetraparesis, hyporeflexia/areflexia in thoracic and pelvic limbs, postural reaction deficits in thoracic and pelvic limbs (if junctionpathy), progressively fatiguing patellar or palpebral reflexes upon repetition (if junctionopathy)

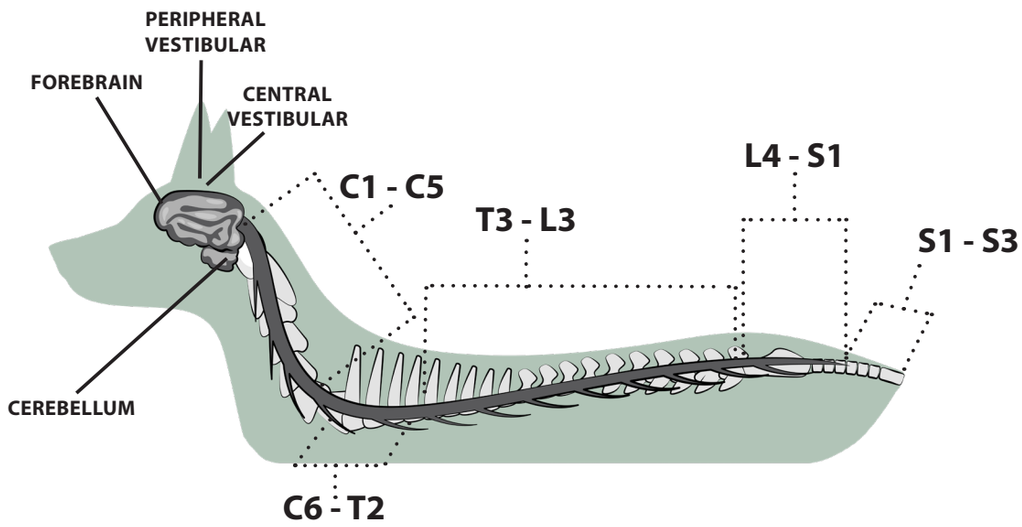
Localization:

Left/Right **Forebrain** **Brainstem**

Peripheral Vestibular **Central Vestibular**

C1-C5 **C6-T2** **T3-L3** **L4-S3**

Peripheral Nervous System



Plan:

Diagnostics: ☐ **CBC** ☐ **Serum Chemistry** ☐ **Urinalysis** ☐ **Radiographs (Thoracic)** ☐ **Thyroid** ☐ **MRI** ☐ **CSF Analysis**

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