SKILL LISTS
NEUROLOGY CANDIDATES

All qualified candidates will have demonstrated basic veterinary technician skills such as but not limited to:

a. Proper animal restraint
b. Peripheral catheter placement
c. Venipuncture
d. Basic bandage application
e. Administration of oral and parenteral medications
f. Calculation of IV fluid drip rates
g. Calculation of basic drug administration
h. Knowledge of various routes of drug administration,
i. Aseptic surgical area preparation
j. Surgical supply sterilization preparation
k. Recording vital signs (Temp, Pulse, Resp, and Pain Asses.)
l. Perform basic laboratory tests (PCV, TP, UA, cytology staining, fecal analysis)
m. Maintain proper medical records and computer skills
n. Surgical scrubbing and gowning

These skills do not need to be verified individually and are only examples of the base skills expected of all candidates.

AIMVT Neurology candidates must demonstrate mastery of **80%** of the following skills for the application packet. Therefore at least **25** skills must be verified by acknowledgement by a doctor or VTS. Also please cross reference as many skills as possible to your case logs by noting the case log number. At least **50%** of the verified skills must be cross referenced in the case log. Therefore at least **12** of the verified skills must appear in the log. You are encouraged to cross reference more of the skills if possible.

Mastery is defined as "consistently being able to perform with great skill and/or knowledge without being coached or directed".

Each skill should be verified and signed by the DVM or VTS who is the most qualified to verify the skill. In order of preference - Diplomate or VTS in ANY specialty of ACVIM or AIMVT, Diplomate or VTS in Anesthesia or Emergency & Critical Care, or a Diplomate in Practice or Surgery. If none of these Diplomates or VTS is available the Academy will accept verification by a licensed DVM with a letter from them stating that no Diplomate or VTS is easily available for the candidate to utilize.

	Initials	Task	Case Log #
1.		Ability to obtain an accurate neurological history	
2.		Ability to recognize some commonly seen neurotoxins, and understand the basic treatment options.	
3.		Ability to recognize secondary neurological changes related to endocrine disorders, vitamin deficiencies, congenital diseases etc.	
4.		Ability to assist in performing a neurological examination	
5.		Ability to understand the general principles of lesion localization between spinal and brain disorders.	
6.		Ability to recognize pain and treat appropriately	
7.		Ability to recognize subtle mentation changes in a critical neurological patient	
8.		Ability to perform emergency triage & care of a neurologic patients	
9.		Ability to administer anticonvulsant medications as prescribed by a clinician.	
10		Ability to understand basic seizure control principles	
11		Be able to calculate loading doses and maintenance doses for the following anticonvulsants, Phenobarbital, potassium bromide etc.	
12		Ability to calculate and administer proper analgesics pre & post operative, including epidural injections, and nerve blocks.	
13		Ability to calculate and effectively monitor the neurologic patient on a constant rate infusion or C.R.I. of appropriate pain medication	
14		Ability to develop and implement anesthetic and monitoring protocol for IVDD (neck & back), vertebral fractures, craniotomies and atlantoaxial subluxations	
15		Patient positioning in and out of O.R.	
16		Assist with CSF taps, joint taps, muscle / nerve biopsies & appropriate handling of samples	
17		Ability to position patients properly to obtain diagnostic quality spinal radiographs, myelograms/CT & MRI scans	
18		Basic ability to read and identify anatomy in spinal radiographs, myelograms/ CT & MRI scans	
19		Ability to perform electro diagnostics (EMG, motor nerve conduction velocity, BAER)	
20		Be familiar with & able to communicate to clients, the important factors involved in post operative care & management of patients w/ spinal or intracranial surgery	
21		Ability to explain and demonstrate basic rehabilitative techniques and principles utilized in caring for the neurologically impaired patient	

22		Ability to assist & perform gait & movement assessment	
23		Proper handling & restraint of neurological patients	
24		Ability to calculate dosages of contrast materials (conray, omnipaque, gadolinium)	
25		Ability to manage a non ambulatory patient (bladder management, circulation, nutrition)	
26		Ability to place and maintain closed urinary collections systems	
27		Ability to maintain a CRI for seizure cases as needed	
28		Ability to assist with assisted ventilation for anesthetized / paralyzed patients (i.e. Myasthenia Gravis patients)	
29		Ability to place central lines, jugular, and arterial catheters	
30		Ability to recognize and discuss with clients common post operative complications (i.e. wound infection, wound dehiscence, seroma formation)	
31		Ability to recognize and treat common side effects of opioid pain management.	
32		Nutritional support for the neurological patient. Calculation of daily caloric needs for the post-surgical patient. Special considerations for myasthenia-gravis patient issues.	

Please print-Full name and title(s) of person(s) completing this form, sign your initials

Additional names, titles, initials

Additional names, titles, initials

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