

## **DOMAINS AIMVT**

### **INTERNAL MEDICINE - NEUROLOGY**

1. **ANESTHESIA and ANALGESIA** 8% of the test
  - a. TASK - Working with the veterinarian, review the medical history, previous protocols, and diagnostic tests of the neurologic patient in order to optimize anesthesia and/or analgesia. 2% of the test
  - b. TASK - Working with the veterinarian, perform a pre anesthetic and pain assessment examination of the neurologic patient. 3% of the test
  - c. TASK - Working with the veterinarian, develop and implement an anesthetic/analgesic plan that optimizes patient safety and comfort by addressing risk factors and is appropriate to the procedure or condition. 3% of the test
2. **BODY MECHANICS and SYSTEMS - (Anatomy and Physiology)** 25% of the test
  - a. TASK - Know the anatomy of companion animal species to enhance the assessment of animal care. 8% of the test
  - b. TASK - Demonstrate a thorough understanding of organ system physiology and function to enhance animal evaluation and care. 4% of the test
  - c. TASK - Know anatomy of the nervous system and functional microanatomy to enhance assessment and treatment/care of animals with neurologic disease. 13% of the test
3. **DIAGNOSTIC and LABORATORY TESTS and STUDIES** 23% of the test
  - a. TASK - Collect appropriate specimen(s) for diagnostic evaluation taking into account risk factors to the patient associated with various sample collections. Recognize changes to laboratory values that can be caused secondary to the method of collection/handling of a sample. 9% of the test
  - b. TASK - Perform diagnostic studies as prescribed by the veterinarian (i.e. spinal radiographs, CT, MRI etc.) to ensure diagnostic quality results. Know proper patient preparation/positioning to ensure diagnostic quality results. 6% of the test
  - c. TASK - Perform laboratory tests (i.e. acetylcholine receptor antibody titer, DNA testing for degenerative myelopathy, 2M muscle antibody etc.) as prescribed by the veterinarian..Demonstrate appropriate handling and shipping of laboratory samples. 6% of the test
  - d. TASK - Discuss indications for use and interpretation of laboratory tests and diagnostic studies results with the veterinarian and/or client to provide optimal patient care. 2% of the test
4. **DISEASES** 16% of the test
  - a. TASK - Recognize and discuss signs and complications of disease and common concurrent disease states. Know and discuss the pathology, pathophysiology and

- outcome of disease with the veterinarian and/or client in order to provide optimal patient care. 7% of the test
- b. TASK - Discuss the etiology, transmission and prevention of diseases with the veterinarian and/or client to provide optimal patient care and ensure biosafety. 4% of the test
  - c. TASK - Recognize and discuss risks of developing an iatrogenic disease state due to various treatments. 5% of the test
5. PHARMACOLOGY 7% of the test
- a. TASK - Perform drug calculations as directed by the veterinarian to ensure patient and client safety. 4% of the test
  - b. TASK - Comprehend, anticipate and recognize drug reactions, contraindications, interactions, absorption, administration protocols and mechanics of commonly used medications in neurology cases to ensure patient, client and personnel safety. 2% of the test
  - c. TASK - Discuss special handling, administration, complications and side effects of anticonvulsant or immunosuppressive medications utilized in neurology cases for the patients, hospital personnel and/or clientele. 1% of the test
6. ANIMAL CARE, MANAGEMENT, NURSING & TREATMENT 21% of the test
- a. TASK - Working with the veterinarian, calculate, administer and monitor the proper medications and fluid therapy treatments to achieve optimal patient care and outcome in the neurologic patient. 4% of the test
  - b. TASK - Working with the veterinarian, discuss treatment indications and possible reactions, both favorable and adverse to enhance care of the neurologic patient. 2% of the test
  - c. TASK - Monitor the neurologic patient throughout the treatment plan recognizing common or uncommon post procedure complications to ensure patient safety and well being. 9% of the test
  - d. TASK - Safely restrain and handle animals in order to optimize patient outcome and ensure personnel safety. 2% of the test
  - e. TASK - Recognize life threatening conditions, alert veterinarian and working with the veterinarian initiate appropriate intervention. 3% of the test
  - f. TASK - Recognize increased risks and demonstrate appropriate nursing care associated with long term recumbent patients. 1% of the test