



(updated February 2019)

## AIMVT DOMAINS

### INTERNAL MEDICINE – ONCOLOGY

1. ANESTHESIA and ANALGESIA – 9% of test
  - a. TASK – Working with the veterinarian, perform a pre-anesthetic and/or assessment of pain examination of the patient and a review of the medical history, previous protocols, and diagnostic tests of the oncology patient in order to optimize anesthesia or analgesia.
  - b. TASK – Working with the veterinarian, develop or assess an anesthetic plan that optimizes patient safety and is appropriate to the procedure.
  - c. TASK – Working with the veterinarian, develop or assess an analgesic plan that optimizes patient safety and comfort and is appropriate to the procedure or condition.
  - d. TASK – Working with the veterinarian, implement an anesthetic plan and/or analgesic plan, including patient monitoring, to optimize the personnel and patient safety and the efficacy of the plan.
  
2. BODY MECHANICS and SYSTEMS – (Anatomy and Physiology) – 17% of test
  - a. TASK – Identify the anatomy of animal species to enhance animal care.
  - b. TASK – Demonstrate a thorough understanding of organ systems to enhance animal care.
  - c. TASK – Demonstrate a detailed understanding of physiology of animal species to enhance animal care.
  - d. TASK – Understand and explain excretions, absorption and secretions to enhance animal care.
  
3. DIAGNOSTIC and LABORATORY TESTS and STUDIES – 18%
  - a. TASK – Collect appropriate specimen(s) for diagnostic evaluation taking into account risk factors to the patient associated with various sample collections and recognize changes to laboratory values that can be caused secondary to the method of collection of a sample.
  - b. TASK – Perform diagnostic tests and studies as prescribed by the veterinarian (i.e. auscultation, diagnostic imaging) to ensure diagnostic, quality results.
  - c. TASK – Perform laboratory tests and studies (i.e. microscopy, clotting tests) as prescribed by the veterinarian, including proper patient preparation, demonstrating appropriate handling and shipping requirements in order to ensure diagnostic, quality results.
  - d. TASK – Discuss indications for use and interpretation of results for diagnostic tests and studies with the veterinarian and/or client to provide optimal patient care.
  - e. TASK - Identify risk factors to self and hospital personnel associated with handling of zoonotic, teratogenic or infectious samples and appropriate means of protection.
  
4. DISEASES – 12% of test
  - a. TASK – Recognize and discuss signs, symptoms, complications, common concurrent disease states, pathology, pathophysiology and outcomes of disease with the veterinarian and/or client in order to provide optimal patient care.
  - b. TASK – Discuss the transmission, pathways and etiology of diseases with the veterinarian and/or client to provide optimal patient care and ensure biosafety.
  - c. TASK – Recognize and discuss risks of iatrogenic development of a disease state due to various treatments.



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5. PHARMACOLOGY – 12% of test
  - a. TASK –Perform drug calculations as directed by the veterinarian to ensure patient and client safety.
  - b. TASK – Comprehend, anticipate and recognize drug reactions, contraindications, interactions, absorption, administration protocols and mechanics of commonly used drugs in oncology cases to ensure patient, client and personnel safety.
  - c. TASK – Calculate, formulate, and administer the proper nutritional requirements of animals and disease states to optimize patient care.
  - d. TASK - Identify and discuss risk factors to self, hospital personnel and environment associated with special handling, administration, complications and side effects of chemotherapeutics or immunosuppressive medications utilized in oncology cases for the patients, hospital personnel and/or clientele. Including issues dealing with contaminated animal waste products.
  
6. ANIMAL CARE, MANAGEMENT, NURSING and TREATMENT – 32% of test
  - a. TASK - Calculate, formulate, administer and monitor the proper prescribed drugs and fluid therapy as prescribed by the veterinarian to achieve optimal patient care and outcome.
  - b. TASK - Working with the veterinarian, discuss treatment indications and possible reactions, both favorable and adverse to enhance patient care.
  - c. TASK – Monitor the patient throughout the treatment plan recognizing common post procedure complications and failures to respond to therapy to ensure patient health and safety.
  - d. TASK – Safely provide access to various body systems.
  - e. TASK – Safely restrain and handle animals in order to optimize patient outcome and ensure personnel safety.