



(updated February 2019)

AIMVT DOMAINS INTERNAL MEDICINE – CARDIOLOGY

1. ANESTHESIA and ANALGESIA – 6% of test
 - a. TASK – Working with the veterinarian, perform a pre-anesthetic and/or assessment of pain examination, as well as a review of the medical history, previous protocols, and diagnostic tests of the cardiac patient in order to optimize anesthesia or analgesia.
 - b. TASK – Working with the veterinarian, implement an anesthetic/sedation or analgesic plan, including patient monitoring, to optimize the personnel and patient safety and assess the efficacy of the plan.

2. BODY MECHANICS and SYSTEMS – (Anatomy and Physiology) – 21% of test
 - a. TASK – Identify and discuss the cardiac anatomy and cardiac function of companion and large animals to enhance animal care in multiple imaging modalities.
 - b. TASK – Demonstrate a thorough understanding of the cardiac cycle to enhance animal care.
 - c. TASK – Demonstrate a detailed understanding of physiology of companion and large animals to enhance animal care including but not limited to the following: blood pressure regulation, cardiovascular, renal, respiratory, hemostasis and endocrine effect on the cardiovascular system.

3. DIAGNOSTIC and LABORATORY TESTS and STUDIES – 24% of test
 - a. TASK – Collect appropriate specimen(s) with proper patient preparation, (appropriate fasting, equipment preparation etc.) 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 and /or storage of a sample.
 - b. TASK – Perform diagnostic tests and studies as prescribed by the veterinarian (i.e. diagnostic imaging, measurement of blood pressure, electrocardiography, hematocrit, etc.) recognizing changes and artifacts as a result of technique, to ensure quality diagnostic results and maintain personnel and patient safety.
 - c. 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.
 - d. TASK – Maintain diagnostic equipment, including quality control procedures, to ensure accurate results and maintain safety throughout the process.

4. DISEASES – 14% of test
 - a. TASK – Recognize and discuss signs, symptoms, complications, common concurrent disease states, pathology, pathophysiology and outcomes of disease utilizing varying imaging modalities, with the veterinarian and/or client in order to provide optimal patient care.
 - b. TASK – Discuss disease prevention with the veterinarian and/or client to provide optimal patient care.
 - c. TASK – Recognize and discuss risks of iatrogenic development of a disease state due to various treatments or nutritional deficiencies.



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5. PHARMACOLOGY – 12% of test

- a. TASK –Perform calculations of drug and fluid therapy, and administer using correct handling procedures 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 medications in cardiology cases to ensure patient, client and personnel safety.

6. ANIMAL CARE, MANAGEMENT, NURSING & TREATMENT – 23% of test

- a. TASK - Working with the veterinarian, discuss treatment indications and possible reactions, both favorable and adverse to enhance patient care.
- b. TASK- Recognize life threatening conditions alert the veterinarian and, working with the veterinarian, initiate appropriate interventions.
- 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.