DOMAINS AIMVT

INTERNAL MEDICINE – CARDIOLOGY

1. ANESTHESIA and ANALGESIA – 8% 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. 4% of test
    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. 4% of test

2. BODY MECHANICS and SYSTEMS – (Anatomy and Physiology) – 24% 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. 7% of test
    b. TASK – Demonstrate a thorough understanding of the cardiac cycle to enhance animal care. 6% of test
    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. 11% of test

3. DIAGNOSTIC and LABORATORY TESTS and STUDIES – 26% 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. 11% of test
    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. 8% of test
    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. 4% of test
    d. TASK – Maintain diagnostic equipment, including quality control procedures, to ensure accurate results and maintain safety through out the process. 3% of test

4. DISEASES – 12% 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. 5% of test
b. TASK – Discuss disease prevention with the veterinarian and/or client to provide optimal patient care. 3% of test
c. TASK – Recognize and discuss risks of iatrogenic development of a disease state due to various treatments or nutritional deficiencies. 4% of test

5. PHARMACOLOGY – 7% 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. 4% of test
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. 3% of test

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. 6% of test
b. TASK- Recognize life threatening conditions alert the veterinarian and, working with the veterinarian, initiate appropriate interventions. 7% of test
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. 10% of test