

2012 Miniboard Exam
Small Animal Blank

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1. Which of the following is found in significant quantities in both normal AND diseased mitral valves of dogs?
 - a. TGF- β 1
 - b. TGF- β 3
 - c. α SMA
 - d. MMP-1
 - e. MMP-9
2. Which of the following are histologic features of ricin toxicity in dogs?
 - a. Myocardial degeneration
 - b. Ulcerative gastroenteritis
 - c. Lymphoid depletion
 - d. Renal tubular degeneration
 - e. All of the above
3. Feline visceral hemangiosarcoma was found in ALL BUT WHICH of the following organs?
 - a. Liver
 - b. Small intestine
 - c. Large intestine
 - d. Lymph nodes
 - e. Spleen
4. Loss of immunostaining of which of the following is associated with papillomavirus induced feline viral plaques, bowenoid in situ carcinoma, and squamous cell carcinoma?
 - a. P16
 - b. Rb (Retinoblastoma)
 - c. P53
 - d. a. and b.
 - e. All of the above
5. Administration of the β -adrenergic agonist ractopamine to greyhounds most consistently causes which of the following lesions?
 - a. Skeletal muscle necrosis
 - b. Cardiac muscle necrosis
 - c. Fibromuscular dysplasia of arterial tunica media
 - d. a. and b.
 - e. All of the above
6. Which of the following histopathologic parameters is NOT predictive of lymphatic invasion by canine mammary carcinomas?
 - a. Peripheral infiltration
 - b. Vasculogenic mimicry
 - c. Micropapillary pattern

- d. Histologic tumor subtype
 - e. Histologic tumor grade
7. Which of the following characteristics does NOT differentiate lymphocytic cholangitis from hepatic lymphoma in cats?
- a. Bile duct targeting of lymphocytes
 - b. Presence of ductopenia
 - c. Clonality of lymphocytes
 - d. Peribiliary fibrosis
 - e. Portal lipogranulomas
8. Ameloblasts in developing dog teeth express ALL BUT WHICH of the following?
- a. CK14
 - b. CK19
 - c. Calretinin
 - d. Amelogenin
 - e. a. and b.
9. Which of the following is the most significant criteria of malignancy in canine oral melanomas?
- a. Increased Ki67 expression
 - b. High mitotic index
 - c. Nuclear atypia
 - d. Lack of pigmentation
 - e. Epithelial invasion (junctional activity)
10. Collie eye anomaly has recently been linked to a deletion in which gene?
- a. COL1A
 - b. NHEJ1
 - c. NOD1
 - d. Rb
 - e. P53
11. The amyloid-like material seen in canine amyloid producing odontogenic tumors (APOT) is of what origin?
- a. Enamel protein
 - b. AA
 - c. AL
 - d. IAPP
 - e. A β
12. Which of the following cytokeratins is/are expressed by bile ducts?
- a. CK8
 - b. CK18
 - c. CK19
 - d. CK7
 - e. All of the above
13. Transferrin receptor(TfR1) expression was LOWEST in which of the following canine lymphomas?

- a. High grade B cell lymphoma
 - b. Low grade B cell lymphoma
 - c. High grade T cell lymphoma
 - d. Low grade T cell lymphoma
 - e. Anaplastic non T non B lymphoma
14. Which of the following statements is FALSE regarding gastrointestinal lymphomas in cats?
- a. Most common location is the small intestine
 - b. Most common phenotype is B cell
 - c. Gastric tumors are always epitheliotropic T cell
 - d. Small intestinal tumors are most commonly T cell
 - e. Large intestinal tumors are most commonly B cell
15. What is the most common site of metastasis of inflammatory mammary carcinomas?
- a. Bone
 - b. Lung
 - c. Kidney
 - d. Bladder
 - e. Liver
16. Which of the following cytokeratins is NOT expressed by luminal mammary epithelium?
- a. CK8
 - b. CK18
 - c. CK19
 - d. CK7
 - e. CK5/6
17. Which species of *Mycoplasma* is most pathogenic in dogs?
- a. *M. canis*
 - b. *M. cynos*
 - c. *M. edwardii*
 - d. *M. maculosum*
 - e. *M. spumans*
18. What is the reported receptor for feline calicivirus?
- a. β -1 integrins
 - b. β -2 integrins
 - c. P-selecain
 - d. JAM-A
 - e. TTF-1
19. Which of the following is NOT a constituent of spheroids in Papillon dogs with neuroaxonal dystrophy?
- a. Neurofilaments
 - b. Tau
 - c. Heat shock proteins
 - d. Synaptophysin
 - e. Iron

20. CD150 (SLAM) labeling was found in all but which of the following in dogs with canine distemper virus?
- Lymph nodes
 - Lung
 - Keratinocytes of the footpad
 - Stomach
 - Transitional epithelium
21. In which dog breed is lissencephaly common?
- Boston terrier
 - Pug
 - Lhasa apso
 - Shih-tzu
 - Shar-pei
22. In which breed of cat is a dermatophytic pseudomycetoma almost exclusively occur?
- Domestic shorthair
 - Scottish fold
 - Persian
 - Sphinx
 - Abyssinian
23. Which of the following does NOT cause atrophy of type 2 myofibers in skeletal muscle?
- Denervation atrophy
 - Disuse atrophy
 - Cachexia
 - Endocrine disease
 - Myopathic atrophy
24. What is the most frequent site of extraskeletal primary osteosarcoma in dogs and cats?
- Mammary gland
 - Lung
 - Muscle
 - Esophagus
 - Liver
25. Chondrodysplasia in which breed of dog is associated with prominent intracytoplasmic inclusions within chondrocytes?
- Alaskan malamute
 - English pointer
 - Norwegian elkhound
 - Great Pyrenees
 - Miniature poodle