

UNIVERSITY OF AGRICULTURE, ABEOKUTA, NIGERIA

COLLEGE OF VETERINARY MEDICINE

DEPARTMENT OF VETERINARY MEDICINE AND SURGERY

FIRST SEMESTER EXAMINATION

2009/2010 SESSION

VCS401: GENERAL PRINCIPLES OF SURGERY

INSTRUCTION: ATTEMPT ALL QUESTIONS

SECTION A (35 Marks)

- Q1. Which of the following is/are major challenge(s) to the development of surgery?
- a) Knowledge of anatomy
 - b) Pain
 - c) Infection
 - d) A and B
 - e) All of the above
- Q2. Who among the followings pioneered the discovery of antiseptic techniques?
- a) Ambrose Pares
 - b) Joseph Lister
 - c) William Morton
 - d) Conrad Roentgen
 - e) Williams Halstead
- Q3. Which of the following is not a principle of surgery?
- a) Dependency on antiseptics.
 - b) Proper asepsis.
 - c) Gentle handling of tissue
 - d) Minimal operation time.
 - e) Obliteration of dead space
- Q4. Which of the following is not a criterion for classifying surgery?
- a) Patient's need
 - b) Degree of invasiveness
 - c) Surgeon's need
 - d) Degree of infection
 - e) Prognosis of surgery
- Q5. Which of the following is not a reason for performing surgery?
- a) Diagnostic purpose
 - b) Improved handling of animal
 - c) Improved appearance
 - d) Improved aggressiveness
 - e) Alter disease process

- Q6. Castration following unilateral orchidectomy can be classified as
- Elective surgery
 - Required surgery
 - Urgent surgery
 - Emergency surgery
 - None of the above
- Q7. Which of the following renal tumor is inherited in the German shepherd dog?
- Renal cystadenocarcinoma
 - Lymphoma
 - Transitional cell carcinoma
 - Renal cell carcinoma
 - Nephroblastoma
- Q8. Which of the following is not an effect of tumor?
- Space occupying effect
 - Loss of function
 - Paraneoplastic syndrome
 - Hyperlipidemia
 - Hypercalcemia
- Q9. Which of the following is not an example of a paraneoplastic syndrome?
- Disseminated intravascular coagulation
 - Hypoglycemia
 - Hyperglycemia
 - Anaemia
 - Polycythemia
- Q10. Which of the following diagnostic technique is not relevant in tumor diagnosis?
- Cytology
 - Immunohistochemistry
 - Ultrasonography
 - Electrocardiography
 - Molecular cytogenetics
- Q11. Which of the following is not a cytological criterion of malignancy?
- Ectopic cell population
 - Prominent nucleoli
 - Abnormal mitotic figures
 - High cytoplasmic/nuclei ratio
 - Variation in nuclear size, shape and number
- Q12. Which of the following is not a technique of diagnostic imaging?
- Electrocardiography
 - Radiography
 - Ultrasonography

- d) Computed tomography
- e) Radionuclide imaging

Q13. Which of the following is not a goal for tumor staging?

- a) To assess prognosis
- b) To aid in planning of treatment
- c) Assist in evaluation of result
- d) Tumor investigation
- e) Determine the hereditary cause of tumor

Q14. Which of the following tumor stages has the worst prognosis?

- a) $T_1N_0M_0$
- b) $T_2N_1M_0$
- c) $T_2N_0M_0$
- d) $T_3N_2M_1$
- e) $T_3N_2M_0$

Q15. Which of the following treatment option will you prefer for a tumor whose staging result show $T_3N_2M_1$

- a) Surgery alone
- b) Chemotherapy alone
- c) Radiotherapy alone
- d) Surgery and chemotherapy
- e) Chemotherapy and radiotherapy

Q16. Which of the following is not a tumor management technique?

- a) Chemotherapy
- b) Surgery
- c) Physiotherapy
- d) Radiotherapy
- e) Immunotherapy

Q17. Which of the following is not a technique of radiotherapy?

- a) Orthovoltage therapy
- b) Supervoltage therapy
- c) External beam radiotherapy
- d) Intravenous bradytherapy
- e) Systemic radiotherapy

Q18. Which of the following is not a class of antitumor cytotoxic drug?

- a) Alkylating agent
- b) Antimetabolite
- c) Plant alkaloid
- d) Antibiotics antitumor drugs
- e) Alpha adrenergic agonist

- Q19. Which of the following is the first step in patient resuscitation?
- Control of airways
 - Resuscitation of breathing
 - Administration of drugs
 - Administration of fluid
 - Evaluation of patient
- Q20. Which of the following is not a cause of hypovolemic shock?
- Dehydration
 - Haemorrhage
 - Strangulation of intestine
 - Excessive sweating
 - None of the above
- Q21. Which of the following is not a feature of a clean-contaminated wound?
- Minor break in asepsis
 - Minimal spillage of organ content
 - Minimal inflammation
 - It's not of surgical origin
 - Opening of hollow organ
- Q22. A dirty wound can be regarded as
- A wound created by the surgeon
 - A wound created by nature
 - A wound in which pus is present
 - A wound of less than 4 hours old
 - A wound that will take a very long time to heal
- Q23. Abrasions do not have one of the following features
- Destruction of skin superficial layers
 - Caused by friction
 - Exposure of sensitive tissues
 - Exposure of deeper tissues
 - Minimal bleeding
- Q24. A wound caused by gun shot can be classified as
- Clean incised wound
 - Contaminated punctured wound
 - Lacerated dirty wound
 - Clean-contaminated open wound
 - All of the above
- Q25. One of the following is not a stage of wound repair
- Inflammatory stage
 - Proliferative stage
 - Remodeling stage

- d) Repairative stage
- e) Epithelialization stage

Q26. Which of the following is not a systemic factor that can affect wound healing?

- a) Edema
- b) Hypoglycemia
- c) Infection
- d) Corticosteroid drugs
- e) Age

Q27. Which of the following is not a function of bandage?

- a) Hold dressing in place
- b) Obliterate dead space
- c) Immobilized body part
- d) Give aesthetic appearance to the wound
- e) Absorbent

Q28. Which of the following is not a function of a wound healing agent?

- a) Soothe the wound
- b) Fly repellent
- c) Prevent bacterial contamination
- d) Absorb wound exudates
- e) None of the above

Q29. Allis tissue forceps is an example of

- a) A cutting instrument
- b) An occluding instrument
- c) A holding instrument
- d) All of the above
- e) None of the above

Q30. A Halsted mosquito forceps can be used to

- a) Occlude a large bleeding vessel
- b) Occlude bleeding from a small vessel
- c) Hold tissue for suturing
- d) Use for blunt dissection of delicate tissue
- e) None of the above

Q31. A dog with dry cornea, deeply sunken eyes and skin elasticity of longer than 6 seconds can be said to be

- a) 0% dehydrated
- b) 5-6 % dehydrated
- c) 7-10 % dehydrated
- d) >10% dehydrated
- e) <5% dehydrated

Q32. A ligature is

- a) A loop of suture used to hold a blood vessel
- b) A loop of suture used to appose a severed bleeding blood vessel
- c) A loop of suture used to occlude a blood vessel before or after severed
- d) A loop of suture used to invert a blood vessel before or after severed
- e) All of the above

Q33. A simple interrupted suture is

- a) An example of suture pattern
- b) The oldest suture pattern
- c) Easy and relatively fast to perform
- d) Waste suture material
- e) All of the above

Q34. One of the following is not a quality of an ideal suture material

- a) Elicit minimal tissue reaction
- b) Non electrolytic
- c) Non economical
- d) Non capillary
- e) Secure knot

Q35. Which of the following is not a class of suture?

- a) Absorbable
- b) Multifilament
- c) Non absorbable
- d) Monofilament
- e) Non of the above

SECTION B (35 Marks)

Q1a). State the distinctly the differences between each of three degrees of burns

- b). State the importance of nutritional support in surgery
- c). Define surgical asepsis
- d). State possible sources of contamination in surgery
- e). What are the factors that contribute to antibiotic failure? (15 Marks)

Q2. A ten year old Lhasa Apso bitch has a mass on the caudal abdominal mammary gland and was diagnosed with mammary adenocarcinoma. The tumor was staged to be T₃N₂M₁

- a) briefly explain what the T₃N₂M₁ refers to
- b) describe how you will manage the tumor
- c) mention the role of tumor staging in veterinary oncology (10 Marks)

Q3a). Write a short note on delayed primary closure

- b). Highlight the various components of a bandage and state their functions (10 Marks)