



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

VET2310 Advanced Veterinary Surgical Procedures and Nursing
6 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Summarize different techniques of physical therapy administration.
 - a. Summarize uses of hydrotherapy.
 - b. Summarize physical therapy for the post-operative patient.
 - c. Summarize physical therapy for orthopedic conditions.
 - d. Summarize physical therapy for neurologic conditions.
2. Characterize care of the recumbent patient.
 - a. Describe sequelae that develop in chronically recumbent patients.
 - b. Describe methods to prevent sequelae from developing in recumbent patients.
3. Analyze the maintenance of indwelling tubes.
 - a. Analyze maintenance of the thoracotomy tube.
 - b. Analyze maintenance of the tracheostomy.
 - c. Analyze the maintenance of the esophagostomy tube.
4. Evaluate the procedures to perform humane euthanasia.
 - a. Evaluate appropriate paperwork.
 - b. Evaluate appropriate methods of euthanasia.
 - c. Evaluate appropriate aftercare recommendations.
 - d. Illustrate the technician's role in euthanasia and client bereavement.
5. Explain the procedure for removal of casts.
 - a. Explain appropriate restraint for removal of casts.
 - b. Describe appropriate tools necessary for removal of casts.
6. Summarize emergency protocols, various emergency techniques, and the proper maintenance of supplies and equipment.
 - a. Describe the procedure for triage.
 - b. Recognize and respond to an emergency situation.
 - i. Simulate first aid and cardiopulmonary resuscitation.
 - ii. Demonstrate use of ambu-bag.
 - iii. Demonstrate application of emergency splints and bandage.
 - iv. Demonstrate an understanding of how to resuscitate with anesthetic antagonists in emergency situation.
 - c. Construct a plan for maintenance of emergency medical supplies/crash cart.
 - d. Describe the uses and dangers of a ventilator and defibrillator.
 - e. Describe the procedure for blood transfusions.
7. Document objective patient data.
 - a. Acquire a thorough patient history.

- b. Acquire temperature of dog/cat.
 - c. Acquire pulse of dog/cat.
 - d. Acquire respiration rate of dog/cat.
 - e. Demonstrate the ability to auscultate heart of dog/cat.
 - f. Demonstrate the ability to auscultate lungs of dog/cat.
 - g. Classify hydration status of dog/cat.
8. Demonstrate the correct care of exposed tissue and organs during surgery.
 - a. Demonstrate appropriate control of hemorrhage from organs and tissues.
 - b. Demonstrate appropriate handling of organs during surgery.
 9. Demonstrate the ability to properly pass instruments and supplies during surgery.
 - a. Demonstrate aseptic passing of instruments while gowned and gloved.
 - b. Demonstrate aseptic passing of instruments while not gowned and gloved.
 10. Demonstrate basic suturing techniques.
 - a. Use a model to demonstrate simple interrupted suture technique.
 - b. Use a model to demonstrate simple continuous suture technique.
 11. Demonstrate the ability to calculate and administer medications related to anesthesia.
 - a. Demonstrate the ability to calculate and administer pre-anesthetic medications.
 - b. Demonstrate the ability to calculate and administer injectable analgesics, sedatives, and anesthetics.
 12. Demonstrate induction and maintenance of general anesthesia.
 - a. Demonstrate induction and maintenance of general anesthesia using IV anesthetics.
 - b. Demonstrate induction and maintenance of general anesthesia using inhalation anesthesia, including induction, endotracheal intubation, and anesthesia machines.
 - c. Demonstrate induction using a chamber.
 - d. Demonstrate induction using a mask.
 - e. Demonstrate endotracheal intubation.
 - f. Demonstrate low pressure check of anesthetic machine.
 - g. Demonstrate appropriate use of anesthetic machine to deliver and maintain anesthesia.
 13. Operate and maintain anesthetic delivery and monitoring equipment.
 - a. Demonstrate the use of esophageal stethoscope.
 - b. Demonstrate the use of pulse oximeter.
 - c. Demonstrate the use of a blood pressure unit.
 - d. Explain the use of a ventilator.
 - e. Demonstrate the use of ECG.
 14. Demonstrate post-operative monitoring technician responsibilities.
 - a. Demonstrate post-operative monitoring of anesthetized patient
 - b. Demonstrate recovery of the anesthetized patient.
 15. Demonstrate the administration of post-operative pain management.
 - a. Demonstrate appropriate preparation of medication.
 - b. Demonstrate appropriate delivery of medication.
 16. Summarize the use and maintenance of flexible and rigid endoscopes.
 - a. Summarize general care of endoscopes.
 - b. Summarize general uses of endoscopes.
 17. Summarize the use and maintenance of cautery and suction machines.
 - a. Summarize general care of cautery and suction machines.

- b. Summarize general uses for cautery and suction machines.
 - 18. Summarize organic and inorganic substances that cause toxicity.
 - a. Successfully calculate toxic doses.
 - 19. Develop hospital nutrition protocols.
 - a. Present nutrition protocol.
 - 20. Differentiate the techniques used in equine and large animal anesthesia from those performed during small animal anesthesia.
 - a. Describe large animal field anesthesia.
 - b. Describe large animal anesthesia in an operating room.
 - 21. Evaluate different dimensions of behavior.
 - a. Utilize a workplace personality profile.
 - b. Evaluate results of personality profile.
 - 22. Illustrate techniques used to build client rapport.
 - a. Demonstrate active listening techniques.
 - b. Demonstrate appropriate oral communication with a client.
 - 23. Create discharge instructions of a medical case.
 - a. Provide written discharge instructions.
 - b. Dramatize presenting discharge instructions to a client.
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These SLOs are not approved for experiential credit.

Effective: Fall 2017