





**Objective(s):**

1. Perform animal restraint techniques specific to the species encountered during the clinical field experience.
2. Label and package dispensed drugs correctly and communicate to clients (where applicable) the correct method of administering medications to their animals at home.
3. Administer medications correctly both orally and parenterally.
4. Perform the surgical and anesthesia associated duties of a veterinary technician.
5. Perform animal nursing procedures including administration of IV fluids and patient monitoring.
6. Perform bandaging and application/removal of casts and/or splints (completion of this objective is dependent on type of clinical site and clinic caseload).
7. Perform routine laboratory diagnostic procedures in accordance with the type of practice, practice caseload, and laboratory facilities available.

**Course Outcome(s):**

Design and implement contingency or emergency plan for a typical veterinary practice or animal-care facility.

**Objective(s):**

1. List at least three disaster possibilities for a clinical veterinary practice or animal-care facility.
2. List at least two procedures that can mitigate or resolve disruption of business and animal care for each possible disaster situation.
3. Draft a contingency plan for a typical veterinary practice or animal-care facility.

**Methods of Evaluation:**

1. Written clinical diaries which detail the major clinical experiences encountered each day
2. Participation in seminars and internships
3. Contingency plan and other written assignments
4. Clinical instructor evaluation including
  - a. Evidence of cooperation with existing staff
  - b. Participation as required in hospital procedures
  - c. Theoretical knowledge
  - d. Psychomotor skill evaluation
  - e. Overall assessment of task competency

**Course Content Outline:**

1. Office procedures
  - a. Telephone communications
  - b. Admissions procedures
  - c. Medical records
  - d. Client rapport techniques (where applicable)
2. Outpatient examination procedures and techniques (where applicable)
  - a. Restraint techniques
  - b. Physical examination
  - c. Administration of medications
  - d. Explanation of procedures to clients
  - e. "To go home" instructions
  - f. Teaching clients how to perform required "at home" procedures
3. Pharmacy duties
  - a. Labeling and packaging of prescriptions
  - b. Inventory control procedures
  - c. Pharmacy logs and record keeping
4. Treatment and laboratory technician duties
  - a. Specimen collection and identification
  - b. Preparation of specimens for shipment
  - c. General nursing care procedures
  - d. Non-laboratory diagnostic tests (e.g., EKG)
  - e. Patient preparation for surgery (where applicable)
  - f. Administration of pre-anesthetic agents

- g. Surgical instrument pack preparation
- h. Maintenance of diagnostic equipment
- i. Wound care and bandaging
- j. Laboratory diagnostic tests (facility and caseload dependent)
  - i. complete blood count
  - ii. packed cell volume/total protein determination
  - iii. serum chemistry tests
  - iv. fecal examinations
  - v. tests for external parasite identification
  - vi. fungal culture and identification
  - vii. bacterial culture and sensitivity testing
  - viii. cytology
  - ix. urinalysis
- 5. Surgical technician duties
  - a. Preparing room for surgery and anesthetic induction
  - b. I.V.anesthetic induction
  - c. Intubation of patient
  - d. Administration and monitoring of general anesthesia
  - e. Performing as a circulating nurse
  - f. Performing as a surgical assistant
  - g. Monitoring patient recovery
- 6. Animal husbandry
  - a. Counseling owners about animal nutrition
  - b. Counseling owners about animal behavior
  - c. Food preparation
  - d. Prescription diets
  - e. Basic grooming and animal care
- 7. Emergency procedures (caseload dependent)
  - a. Assisting with CPR
  - b. Preparing drugs for emergency administration
  - c. EKG monitoring
  - d. Maintenance of the "crash cart"
  - e. Respirators
  - f. Communicating with owners during an emergency situation
- 8. Euthanasia, necropsy, carcass disposal (caseload dependent)
- 9. Radiologic technician
  - a. Care for x-ray unit, cassettes, film, processor, and other equipment
  - b. Positioning patient correctly for radiography
  - c. Correct x-ray unit settings
  - d. Exposure of the film
  - e. Film processing and identification
  - f. Assessment of diagnostic quality
  - g. Practicing safety procedures
- 10. Miscellaneous
  - a. Maintaining adequate supplies in a mobile unit (if applicable) and in user areas of the hospital
  - b. Practicing professionalism
  - c. Appreciating and complying with the rules/regulations as required by the
    - i. USDA
    - ii. DEA
    - iii. pharmacy board
    - iv. Ohio Veterinary Medical Licensing Board
  - d. Veterinary technician as a team member
  - e. Contingency (disaster) plans for patient care and resumption of business

## Resources

Bassett, Joanna. *McCurnin's Clinical Textbook for Veterinary Technicians*. 10th ed. St. Louis, MO: Elsevier, 2022.

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American Red Cross. *Cat First Aid*. 1st ed. Yardley, PA: Stay Well, 2008.

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American Red Cross. *Dog First Aid*. 1st ed. Yardley, PA: Stay Well, 2008.

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Opperman and Grosdidier. *The Art of Veterinary Practice Management*. 2nd ed. Lenexa, KS: Advanstar, 2014.

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"JAVMA"

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"Veterinary Economics"

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Aiello and Moses eds. "The Merck Veterinary Manual" 2016-01-31 22:00:00.0.

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Tighe, Monica. Brown, Marg. *Evolve Resources for Mosby's Comprehensive Review for Veterinary Technicians*. 5th ed. St. Louis, MO.:Elsevier, 2020.

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Prendergast, Heather. *Review Questions and Answers for Veterinary Technicians*. 6th ed. St. Louis, MO.: Elsevier, 2022.

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#### **Resources Other**

<https://www.aspca.org/pet-care/general-pet-care/disaster-preparedness> (<https://www.aspca.org/pet-care/general-pet-care/disaster-preparedness/>)

[http://eden.cce.cornell.edu/family/Documents/PDFs/vet\\_practices\\_brochure.pdf](http://eden.cce.cornell.edu/family/Documents/PDFs/vet_practices_brochure.pdf)

<http://www.avma.org>

<http://hsus.org>

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