

Instructional Framework

Veterinary Assistant
51.0808.00



Domain 1: Patient Care and Exam Room Procedures

Instructional Time: 35-45%

STANDARD 4.0 Apply sanitation and safety measures

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| 4.1 Demonstrate knowledge of basic sanitation and disinfection techniques (in accordance with the AZ Veterinary Medical Examining Board, Administrative Rules R311-101 26) | <ul style="list-style-type: none">• OSHA• Infection control• Disinfection vs sterilization vs sanitation• Clinic Policy• Hand hygiene• Contact time |
| 4.2 Inventory and restock supplies | <ul style="list-style-type: none">• Serial numbers, expiration dates• Receiving deliveries, packing slips• Rotating stock• Clinic Policy• Want/Wish list• Storage• Proper disposal |
| 4.3 Demonstrate knowledge of communicable and zoonotic diseases | <ul style="list-style-type: none">• Zoonoses• Common k9/fel contagious diseases• Infection Control procedures• Cleaning/Disinfecting• PPE/Personal Hygiene |
| 4.4 Use precautions according to OSHA and comply with hazardous labeling requirements | <ul style="list-style-type: none">• OSHA requirements• Hazardous labeling pictograms• Secondary label requirements |
| 4.5 Use proper hygiene according to CDC (Center for Disease Control) | <ul style="list-style-type: none">• Hand hygiene• PPE's |
| 4.6 Don, remove and discard PPE (personal protective equipment) according to standard procedure (e.g, gloves, gown, masks, lab coats, goggles, and face shields) | <ul style="list-style-type: none">• Gloves -- sterile vs exam/nonsterile• Isolation PPE's• Application and removal of PPE's to prevent contamination |
| 4.7 Explain isolation protocols and demonstrate isolation procedures | <ul style="list-style-type: none">• Common small animal diseases requiring patient isolation• Isolation room requirements |

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| | <ul style="list-style-type: none"> • PPE's |
| 4.8 Explain procedures for cleaning laboratory spills | <ul style="list-style-type: none"> • OSHA requirements • SDS's and location of SDS book, reading, interpreting • Common chemicals used/seen in most veterinary hospitals • Dangers of frequently used chemicals/drugs/agents • Spill kit location and components |
| 4.9 Handle and dispose of contaminated and hazardous items according to OSHA guidelines | <ul style="list-style-type: none"> • OSHA hazardous materials disposal requirements • Biohazard/sharps • Biologics • State requirements of disposal of animal biologics • Suspected zoonoses disposal |
| 4.10 Use fire and chemical safety protocols (e.g, SDSs (Safety Data Sheets) and the use of fire extinguishers) | <ul style="list-style-type: none"> • Legal requirements • Fire extinguisher location/use/maintenance • Emergency shower and eyewash locations • SDS book and location |
| 4.11 Describe evacuation plans used by various facilities and statewide alert codes | <ul style="list-style-type: none"> • Posted evacuation plans • Facility policy • Ensure human safety FIRST |
| 4.12 Report unsafe conditions for self and others (e.g, electrical hazards, spillages, puddles on the floor, fractious patients) | <ul style="list-style-type: none"> • Recognizing unsafe conditions • Facility policy for reporting |
| 4.13 Demonstrate proper body mechanics and lifting techniques | <ul style="list-style-type: none"> • 40lb rule, get help! • Lifting with knees, not bending |
| 4.14 Demonstrate radiation safety | <ul style="list-style-type: none"> • Dosimetry badges- use, maintenance • Annual quality control-- checking machine for scatter • Semi-annual RadPPE Integrity |
| 4.15 Demonstrate understanding of and maintain SDSs (Safety Data Sheets) | <ul style="list-style-type: none"> • SDS interpretation, access, maintenance |
| 4.16 Store, safely handle and dispose of biologic and therapeutic agents and sharps, pesticides and hazardous waste | <ul style="list-style-type: none"> • State/County/City legal requirements for storage and disposal • Recognition of hazardous chemicals/drugs • Biohazard |
| STANDARD 6.0 Demonstrate examination room procedures | |
| 6.1. Place and remove small animals from cages | <ul style="list-style-type: none"> • Body mechanics • Towels • Recognizing animal body language • Assess patient's emotional state and adjust handling accordingly |
| 6.2 Place and restrain small animals on tables and floor | <ul style="list-style-type: none"> • Body mechanics • Frequently used restraint tools (Slip leads, muzzles, towels) • Recognizing animal body language |

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| | <ul style="list-style-type: none"> Assess patients emotional state and adjust handling accordingly |
| 6.3 Apply dog and cat safety muzzle | <ul style="list-style-type: none"> Types of muzzles: nylon dog, nylon cat, plastic cat, brachycephalic, gauze Apply nylon dog and cat muzzle Apply gauze muzzle Recognize contraindications for types of muzzles |
| 6.4 Apply elizabethan collar | <ul style="list-style-type: none"> Types of E-collars Determining appropriate size for patient Assemble and apply e-collar |
| 6.5 Apply restraint pole | <ul style="list-style-type: none"> Recognize types of restraint poles (noose vs snap) Apply restraint pole |
| 6.6 Demonstrate standing, sitting, lateral, sternal and dorsal restraint positions | <ul style="list-style-type: none"> Assess appropriate restraint for procedure Perform restraints: standing, sitting, lateral, sternal and dorsal |
| 6.7 Recognize when to alter normal restraint for compromised patients in the exam room (e.g. ringworm, contagious disease, ectoparasite infestation) and describe appropriate action or personnel to notify | <ul style="list-style-type: none"> Assess conditions that may require altered restraint: geriatric, painful, dyspneic, injured, aggressive/anxious/fearful Assess external parasite infection or contagious disease Use of PPE's |
| 6.8 Restrain birds, rabbits, pocket pets, reptiles and other exotics | <ul style="list-style-type: none"> Common restraint principles for avian, pocket pets, rabbits, reptiles (IE-- low stress, gentle, towels, secured) Recognize symptoms of medical emergencies during restraint |
| 6.9 Restrain large animals (e.g. halter, tie and lead horses; restrain cattle; apply twitch; apply nose tongs/leads; restrain sheep and swine; load large animals) | <ul style="list-style-type: none"> Restraint tools/equipment for equine and large animal (halter, lead rope, twitch, cattle chutes, squeeze pens.) Flight zones Assistant on same side as DVM Low-stress handling effects on livestock |
| 6.10 Determine and record temperature, pulse, respiration, mucous membrane color, CRT (capillary refill time), body condition score and weight of patients. | <ul style="list-style-type: none"> Determine vitals WTPR, CRT BCS: scales, 5 or 9 Normal vs abnormal values |
| 6.11 Perform toenail trims on dogs and cats (birds and exotics optional) | <ul style="list-style-type: none"> Types of trimmers Visible vs non-visible blood supply Restraint and adjusting restraint based on patient behavior/physical status Hemostasis |
| 6.12 Express anal sacs using external methods | <ul style="list-style-type: none"> Normal anal sac structure/location PPE's, supplies Anal gland expression procedure Cleaning Purpose |

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| 6.13 Recognize AKC dog and CFA cat breeds | <ul style="list-style-type: none"> • AKC dog and CFA Cat breeds • Common health concerns of similar breeds (IE- Giant vs toy breed dogs) |
| 6.14 Identify gender of small animal species, particularly felines | <ul style="list-style-type: none"> • Ano-genital distance • Colon vs semi-colon method for cats • Species with apparent vs hidden anatomy |
| 6.15 Perform exam room grooming (e.g, trimming nails, external ear canal cleaning, sanitary trimming) | <ul style="list-style-type: none"> • Nail trimming • Ear cleaning (Supplies, restraint, procedure, NO COTTON SWABS) • Sanitary trimming • Recognizing equipment for exam room grooming (clippers, nail trimmers, etc) |
| 6.16 Explain small animal nutritional requirements, pet food labelling standards, dry matter basis calculations and the differences between pet food products. | <ul style="list-style-type: none"> • AAFCO • Labeling requirements • Dry matter calculations • General species requirements (ie- cats are obligate carnivores, need taurine) • kCal requirements |
| 6.17 Apply ear medication | <ul style="list-style-type: none"> • Assess restraint if needed • Apply medication |
| 6.18 Apply eye medication | <ul style="list-style-type: none"> • Assess restraint if needed • Apply medication |
| 6.19 Record an accurate history and chief complaint | <ul style="list-style-type: none"> • Patient History • SOAP |
| STANDARD 7.0 Perform Patient care | |
| 7.1 Describe roles and responsibilities of each member of the veterinary healthcare team and the important role that each plays in the delivery of excellent care | <ul style="list-style-type: none"> • Job duties <ul style="list-style-type: none"> ○ DVM ○ CVT ○ Veterinary Assistant ○ Practice Manager/Hospital Administrator • Legally prohibited skills for anyone other than a DVM (Diagnosis, Surgery, Prescribing) |
| 7.2 Perform routine record keeping and observation of hospitalized patients (e.g, stress importance of notations made when cleaning and feeding) | <ul style="list-style-type: none"> • Facility Policy • Assessment of patient at regular intervals • Recording assessment in progress notes • Vitals |
| 7.3 Monitor/restrain patients for fluid therapy | <ul style="list-style-type: none"> • Assess types of fluid therapy (IV vs SQ) • Determine restraint for sq fluids • Restrain for IV Catheter placement |
| 7.4 Document and explain execution of patient treatment plan | <ul style="list-style-type: none"> • Record treatments on treatment board and in progress notes |

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| 7.5 Perform hand pilling for dogs and cat | <ul style="list-style-type: none"> • Patient and staff safety • Restraints • Tools (Pill popper, balling gun) • Perform hand-pilling of dogs and cats • Follow up with water particularly in cats • Explain possible hazards |
| 7.6 Administer oral liquid medication to dogs and cats | <ul style="list-style-type: none"> • Syringe vs dropper • Measurement of oral medication • Patient and staff safety • Restraints • Perform oral liquid administration • Explain possible hazards |
| 7.7 Perform IV catheter removal and apply pressure bandage | <ul style="list-style-type: none"> • Remove IV catheter • Place superficial pressure bandage |
| 7.8 Perform therapeutic bathing, basic grooming and dipping of small animals | <ul style="list-style-type: none"> • Personal safety PPE • Patient safety-- Eye lubrication, face/mouth, cotton balls in ears |
| 7.9 Differentiate between normal and abnormal behaviors (e.g, seizures, shock, irritability,, fear, agnostic aggression) | <ul style="list-style-type: none"> • Animal body language to determine patient's emotional state (fearful, anxious, aggressive) • Assess vitals, CRT • Adapt restraint/handling |
| 7.10 Recognize abnormal patient health status (e.g, ataxia, dyspnea) | <ul style="list-style-type: none"> • Vitals • Recognize physical symptoms of medical emergencies • Explain procedures when medical emergency is noted |
| 7.11 Recognize and respond appropriately to veterinary medical emergencies by notifying the appropriate hospital personnel | <ul style="list-style-type: none"> • Recognize medical emergencies • Respond appropriately to medical emergencies |
| 7.12 Prepare food and prescription diets according to special dietary needs | <ul style="list-style-type: none"> • Verify patient diet • Measure food quantities • Recognize OTC vs RX diets • Documentation |
| 7.13 Provide care and maintenance of medical equipment and supplies (e.g, IV drip counter, water blanket, bedding) | <ul style="list-style-type: none"> • Required maintenance of veterinary equipment- quality control • Routine cleaning of veterinary equipment (Otoscope/Ophthalmoscope, stethoscope, clippers, thermometers, water blanket, infusion pumps, laundry) |
| 7.14 Compare and contrast bandage types and materials used for each (e.g, cast padding, stretch gauze, Telfa (™) pad, self-adherent bandage wrap, medical tape, elastic tape) | <ul style="list-style-type: none"> • Bandage types/ layers of bandaging • Indications for various bandage types • Identify bandage materials • Bandaging hazards |
| 7.15 Explain the euthanasia process and post mortem care (in accordance with 32-2240.01 Burial in Landfill, Licensed Crematory 32-2291-32-2296. AZ Vet Med Exam Board | <ul style="list-style-type: none"> • Euthanasia procedures • Euthanasia authorization procedures (in person vs over the phone) |

Administrative Rules Article 10 Animal Crematory Minimum standards R3-11-1001 to 1010. R311-502 Standards of Practice, F.)

- Compassion/Comfort rooms/Memorials/Paw Prints
- Post mortem care
- Legal requirements for body disposal

Domain 2: Communication and Client Relations

Instructional Time: 20-30%

STANDARD 1.0 Perform scheduling and other office functions

1.1 Demonstrate proper appointment scheduling and make appointments (paper and electronic)

- Appointment type
- Appointment time needed
- Walk-ins
- Emergencies
- Multiple doctors
- Technician (vs) doctor
- Phone triage
- Reminder calls
- Special instructions

1.2 Prepare appropriate forms and certificates for signature (e.g, rabies, sterilization, health)

- Sterilization
- Rabies
- Health certificates (international and domestic)
- Medical record release
- Vaccine History
- Against medical advice

1.3 Demonstrate admission and discharge of patients

- Proper forms
- Estimates
- Discharge instructions
- Review medications
- Patient Identification (collars/cage cards)
- Patient placement

1.4 Perform basic filing, retrieving and medical record maintenance of medical records (in accordance with AZ Vet Med Exam Board, Administrative Rules. Article 5 Standards of Practice R3-11-502 Standards of Practice, L)

- Chart creation/ yearly update
- Proper patient/client
- Proper filing method (alphabetical/ client ID)
- Computer retrieval
- Record purging/legal requirements
- Chart review prior to re-filing/ saving
- Record ownership

1.5 Demonstrate computer skills in relation to electronic health records

- Input patient information
- Documentation

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| | <ul style="list-style-type: none"> • Electronic Medical Record Software (Cornerstone, Avimark, Impromed etc.) |
| 1.6 Perform basic invoicing, billing and payment on account procedures | <ul style="list-style-type: none"> • Invoice (circle sheets) • Billing • Payments (types and split payments) • Deposits prior to treatment • Cash out/Make change procedures |
| 1.7 Answer and prioritize phone calls and accurately document communication | <ul style="list-style-type: none"> • Phone skills • Answering script • Hold policy • Recognizing emergency situations • Delegating call to appropriate staff member |
| 1.8 Request records and information from other veterinary facilities | <ul style="list-style-type: none"> • Recognize hospital procedures • Confidentiality • Legal policies • Timeline |
| STANDARD 2.0 Demonstrate effective communication and client relations skills | |
| 2.1 Demonstrate appropriate verbal and nonverbal communication skills | <ul style="list-style-type: none"> • Listening skills • Eye contact • Professional response • Body language • Tone of voice |
| 2.2 Demonstrate appropriate electronic communication with clients | <ul style="list-style-type: none"> • Email etiquette • Proper grammar • Texting • Social Media |
| 2.3 Identify and respect cultural differences | <ul style="list-style-type: none"> • Cultural beliefs • Compassion • Courtesy • Tact • Separating morals vs ethics |
| 2.4 Describe the steps and stages of the grief process | <ul style="list-style-type: none"> • Empathy • Sympathy • Client comforts • Five Stages of Grief |
| 2.5 Identify components of the medical record | <ul style="list-style-type: none"> • Entering complaint • Signalment • Subjective • Objective |

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| | <ul style="list-style-type: none"> • Assessment • Plan • Various reports (Lab, Radiology, RX) • Medical documents (tx sheet, sx record, master problem list) |
| 2.6 Identify and define commonly used root word, prefixes and suffixes | <ul style="list-style-type: none"> • Define parts • Combine words • Anatomical relation • Procedural relation |
| 2.7 Identify and use commonly used medical abbreviations | <ul style="list-style-type: none"> • Recognize • Define • Breakdown |
| 2.8 Ensure completeness of the medical record | <ul style="list-style-type: none"> • Entering complaint • SOAP • Discharges • Additional appointments • Client communications |
| 2.9 Maintain integrity and security of the medical record | <ul style="list-style-type: none"> • Confidentiality • Proper grammar • Proper vocabulary • Legal ownership |
| 2.10 Explain release of medical record requirements (in accordance with AZ Vet Med Exam Board, Administrative Rules, Article 5 Standards of Practice R3-11-501 Ethical Standards, 8) | <ul style="list-style-type: none"> • Forms • Legal • Policies |
| STANDARD 3.0 Apply legal, ethical and professional practices | |
| 3.1 Distinguish between ethical and unethical conduct in a veterinary practice (in accordance with R3-11-501 1-5, 9 and ARS 32-2232), i.e., honesty, reliability, integrity | <ul style="list-style-type: none"> • Morals • Ethics • Malpractice • Professional Negligence • Gross Incompetence • Neglect • Slander • Animal abuse (including mandatory reporting) |
| 3.2 Explain the human-animal bond and its implications for veterinary practice | <ul style="list-style-type: none"> • Define Human-Animal Bond • Recognize importance and role of Human-Animal Bond |
| 3.3 Demonstrate appropriate professional appearance and language in the workplace | <ul style="list-style-type: none"> • Clean uniforms • Proper shoes • Personal hygiene • Proper language • Jewelry |

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| 3.4 Demonstrate appropriate use of electronic communication in the workplace (e.g, cell phone, text messaging, social networking, digital photography) | <ul style="list-style-type: none"> • Legal • Hospital policies • Owner permission • Social Media • Photos |
| 3.5 Explain confidentiality issues, regulations, and requirements related to veterinary medicine | <ul style="list-style-type: none"> • Client information • Hospital policies • State laws |
| 3.6 Follow local, state and federal laws and regulations as they apply to veterinary assistants | <ul style="list-style-type: none"> • Federal laws • State laws • Hospital policies • Arizona Veterinary Medical Examining Board |

Domain 3: Diagnostic and Treatment Skills

Instructional Time: 20-30%

STANDARD 5.0 Apply Principles of Pharmacy and Pharmacology

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| 5.1 Defend the importance and explain legal implications of the veterinary-client-patient relationship (AZ Vet Med Exam Board definition of VCPR, ARS 32-2201, 24 a-c) | <ul style="list-style-type: none"> • Frequency needed • Bloodwork for refills |
| 5.2 Recognize legal issues involving all controlled and non-controlled drugs (in accordance with Article 7, Dispensing of drugs and devices 32-2281, Article 8 Drug Dispensing R3-11-801 to R3-11-807. R3-11-502, K, controlled drug log. 32-1901 controlled/non-controlled) | <ul style="list-style-type: none"> • Drug schedules • Drug log (intake, usage, disposal) • Inventory • DEA requirements/ forms • Handling/Filling procedures • Drug abuse in veterinary Procedures |
| 5.3 Compare and contrast types and group of drugs and demonstrate proper terminology | <ul style="list-style-type: none"> • Common abbreviations for prescriptions • Generic vs. name brand |
| 5.4 Differentiate prescription drug from over-the-counter drugs and describe proper prescription label requirements | <ul style="list-style-type: none"> • Supplements • Prescription Diets • Nutraceuticals • Label requirements • Controlled drug prescriptions |
| 5.5 Explain the importance of checking expiration dates | <ul style="list-style-type: none"> • Dispensing/using expired drugs • Disposal of expired drugs-- procedures, legalities • Inventory control |
| 5.6 Reconstitute vaccines and be familiar with proper protocols | <ul style="list-style-type: none"> • Vaccination schedules for young, adult and geriatric canine and feline patients • Core vs. non core |

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| | <ul style="list-style-type: none"> • Storage and handling procedures |
| 5.7 Describe possible routes and methods of drug and vaccine administration that the veterinarian or veterinary technician may choose | <ul style="list-style-type: none"> • IV, IM, SQ absorption, uses and contraindications • Types of needles and syringes • Medication forms (tablet, capsule, liquid etc.) • Oral, intranasal and injection |
| STANDARD 8.0 Assist with Surgical Preparation and Procedures | |
| 8.1 Prepare surgical equipment and supplies based on surgical procedures and veterinary preferences | <ul style="list-style-type: none"> • Prepare anesthesia machine, monitors and fluid pump • Surgery supplies (gown, pack, etc) • Room set-up • Emergency equipment • Oxygen • Scavenger • Vaporizer |
| 8.2 Sterilize instruments and sanitize supplies using appropriate methods | <ul style="list-style-type: none"> • Steam, gas, cold sterilization |
| 8.3 Operate and maintain autoclave | <ul style="list-style-type: none"> • Weekly and monthly • Function and settings • Safety |
| 8.4 Identify common surgical instruments | <ul style="list-style-type: none"> • Common uses and procedures |
| 8.5 Identify common suture material, types, and sizes | <ul style="list-style-type: none"> • Absorbable, non-absorbable, braided, monofilament, sizes, taper needle, cutting needle and reverse cutting needle |
| 8.6 Assist the veterinarian and/or veterinary technician with preparation of patient using aseptic technique | <ul style="list-style-type: none"> • Surgical scrub techniques • Surgical clipping |
| 8.7 Assist with positioning of surgical patients | <ul style="list-style-type: none"> • Assess positioning based on surgical procedure |
| 8.8 Aid the veterinarian and/ or veterinary technician with physical monitoring of recovering surgical patients | <ul style="list-style-type: none"> • Normal vs. abnormal recovery • Vitals • Monitoring equipment • Staff safety |
| 8.9 Maintain the Surgical Log (in accordance with R311-502 Standards of Practice H. Anesthesia log- separate from controlled drug log) | <ul style="list-style-type: none"> • Legal requirements • Paper vs computerized |
| 8.10 Maintain proper operating room conduct and asepsis | <ul style="list-style-type: none"> • Proper movement in, out and around surgery room |
| 8.11 Perform post-surgical cleanup | <ul style="list-style-type: none"> • Proper disposal of biohazard materials |
| 8.12 Fold surgical gowns and drapes | <ul style="list-style-type: none"> • Fold gowns and drapes to maintain sterility |
| 8.13 Maintain operating room sanitation and care | <ul style="list-style-type: none"> • Regular/scheduled cleaning of surgical room and equipment |
| STANDARD 9.0 Assist with Laboratory Procedures and Prepare Specimens | |

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| 9.1 Collect voided urine samples | <ul style="list-style-type: none"> • Storage • Collection techniques (mid stream, cysto, cath) |
| 9.2 Determine physical properties of urine including color and clarity | <ul style="list-style-type: none"> • Urine color, clarity, turbidity |
| 9.3 Assist in the collection of blood samples by providing restraint and supply preparation | <ul style="list-style-type: none"> • Common blood draw locations: cephalic, jugular, lateral saphenous, medial saphenous |
| 9.4 Compare and contrast common blood tubes used in veterinary medicine | <ul style="list-style-type: none"> • Additives in blood tubes • Common tests requiring special additives • Tube fill order |
| 9.5 Collect voided fecal samples for examination | <ul style="list-style-type: none"> • Fecal score • Storage |
| 9.6 Prepare fecal flotation solutions and set up fecal flotations and direct smears | <ul style="list-style-type: none"> • Supplies/equipment • Steps |
| 9.7 Describe necropsy procedure | <ul style="list-style-type: none"> • Sample preparation/packaging • Sample submission • Body after-care |
| 9.8 Explain procedures for handling rabies suspects and sample safely (Rabies suspects. Compendium of Animal Rabies Prevention and Control (Arizona Manual for Rabies Control and Bite Management azdhs.gov. Federal-- cdc.gov) | <ul style="list-style-type: none"> • Zoonotic suspect cadaver handling |
| 9.9 Demonstrate appropriate procedure for disposal of deceased animals (Disposal of deceased animals, Article 8, 32-22 in ARS Minimum standards for animal crematories Rules R3-11-1001-1010, and R311-701, 5. Defining adequate refrigeration for deceased | <ul style="list-style-type: none"> • Deceased animal disposal • State/County/City requirements for animal body disposal |
| 9.10 Identify external parasites (e.g., mites, lice, fleas, ticks) | <ul style="list-style-type: none"> • Fleas • Ticks • Mites • Lice |
| 9.11 Assist in the preparation of various specimen staining techniques | <ul style="list-style-type: none"> • Diff Quick • Gram Stain • Urine Sedi-stain |
| 9.12 Compare and Contrast preparation procedures of in-house lab vs. reference lab sample submissions | <ul style="list-style-type: none"> • Sample storage • Sample Preparation (Submission forms, etc) • Common in-house vs reference lab tests • SNAP tests/ Solo Step test |
| 9.13 Confirm all laboratory results are accurately recorded | <ul style="list-style-type: none"> • Verification |
| 9.14 Maintain Laboratory Log | <ul style="list-style-type: none"> • Computerized vs Paper log • Facility Policy |
| STANDARD 11.0 Describe Principles of Radiology and Ultrasound Imaging | |

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| 11.1 Describe procedures to assist the veterinarian and/or the veterinary technician in the completion of diagnostic radiographs and ultrasound including the restraint, preparation, and positioning of patients | <ul style="list-style-type: none"> ● Radiology restraints ● State legalities for staff performing radiographs ● Ultrasound restraint positions ● Positioning aids (sand bags, trough, etc) ● Inhalation/ Exhalation |
| 11.2 Explain quality control procedures related to radiation protection | <ul style="list-style-type: none"> ● Gowns ● Light field alignment ● Dark room quality |
| 11.3 Label, file, and store film and radiographs | <ul style="list-style-type: none"> ● Methods of filing (alphabetical/ client ID) |
| 11.4 Demonstrate proper care of radiography equipment | <ul style="list-style-type: none"> ● Quality Control ● PPE integrity Assessment |
| 11.5 Demonstrate procedures for care and maintenance of film cassettes and screens (optional) | <ul style="list-style-type: none"> ● Cleaning ● Storage |
| 11.6 Explain safety precautions for handling processing chemicals | <ul style="list-style-type: none"> ● PPE's ● State legal requirements for staff radiation exposure |
| 11.7 Process diagnostic radiographs using automatic processor or digital processing | <ul style="list-style-type: none"> ● Labeling, saving, archiving in to electronic medical record |
| 11.8 Maintain X-ray Log (X-ray log. AZ Vet Med Exam Board Administrative Rules R311-502, M.) | <ul style="list-style-type: none"> ● Computerized vs paper log ● Az Radiation Board legal requirements for Xray Log |

Domain 4: Anatomy, Physiology and Pathology

Instructional Time: 5-10%

| STANDARD 10.0 Identify normal structure, function and common diseases of the body systems | |
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| 10.1 Identify structure and function of the Integumentary System | <ul style="list-style-type: none"> ● Structures ● Functions ● Common diseases |
| 10.2 Identify structure and function of the Musculoskeletal System | <ul style="list-style-type: none"> ● Structures ● Functions ● Common diseases |
| 10.3 Identify structure and function of the Circulatory System | <ul style="list-style-type: none"> ● Structures ● Functions ● Common diseases |
| 10.4 Identify structure and function of the Respiratory System | <ul style="list-style-type: none"> ● Structures ● Functions |

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| | <ul style="list-style-type: none"> • Common diseases |
| 10.5 Identify structure and function of the Gastrointestinal System | <ul style="list-style-type: none"> • Structures • Functions • Common diseases |
| 10.6 Identify structure and function of the Urinary System | <ul style="list-style-type: none"> • Structures • Functions • Common diseases |
| 10.7 Identify structure and function of the Nervous System | <ul style="list-style-type: none"> • Structures • Functions • Common diseases |
| 10.8 Identify structure and function of the Endocrine System | <ul style="list-style-type: none"> • Structures • Functions • Common diseases |
| 10.9 Identify structure and function of the Reproductive System | <ul style="list-style-type: none"> • Structures • Functions • Common diseases |
| 10.10 Identify structure and function of the Sensory System | <ul style="list-style-type: none"> • Structures • Functions • Common diseases |
| 10.11 Identify structure and function of the Immune System | <ul style="list-style-type: none"> • Structures • Functions • Common diseases |