

Name: _____

Date: _____

Determine specimen and quantity needed and obtain appropriate materials.

Label all specimen containers with owner last name, date and animal name.

Run tests: PCV/PP results for surgical patients should receive top priority and the surgeon made aware of the results PRIOR to induction if possible.

Report all test results on the board.

Work with cooperatively with class members to practice the tasks listed below.

1) Communication: Communicate in a professional manner in all formats – written, oral, non-verbal, and electronic.

Apply understanding of interpersonal skills and team dynamics in all aspects of team dynamics

Utilize interpersonal and public relations skills

Demonstrate telephone etiquette

Recognize the legality of the veterinary-client-patient relationship

Develop and provide client education in a clear and accurate manner at a level the client understands (i.e., oral and written form, including educational handouts)

2) Laws and Ethics: Follow and uphold applicable laws and the veterinary technology profession's ethical codes to provide high quality care to patients.

Understand and observe legal boundaries of veterinary health care team members

Interact professionally with clients and fellow staff members

Demonstrate a commitment to high quality patient care

Respect and protect the confidentiality of client and patient information

3) Patient assessment: Demonstrate and perform patient assessment techniques in a variety of animal species.

Recognize common domestic animal species and breeds

Describe and use common animal identification methods

Demonstrate effective and appropriate restraint techniques for various animal species

○ encage and remove small animals from cages

○ apply dog muzzle safely

○ apply Elizabethan collar

○ use restraint pole and other restraint aids

Properly collect diagnostic specimens for analysis (ex: urine, blood, feces, specimens for cytology)

• Collect urine sample

○ catheterize male and female dogs

○ catheterize female cat

○ catheterize male cat

○ collect voided urine sample (small animal)

○ perform cystocentesis (small animal)

Prepare diagnostic specimens for shipment

Environmental conditions

○ implement sanitation procedures for animal holding and housing areas

4) Specimen management : Properly package, handle and store specimens for laboratory analysis.

Prepare specimens for diagnostic analysis

Select and maintain laboratory equipment

Implement quality control measures

Ensure safety of patients, clients and staff

5) Specimen Analysis: Properly carry out analysis of laboratory specimens.

Perform urinalysis

○ determine physical properties (e.g., color, clarity, specific gravity)

○ test chemical properties

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- examine and identify sediment
- Perform CBC:
 - hemoglobin
 - packed cell volume
 - total protein
 - white cell count – Unopette & automated cell counter
 - red cell count – PCV or electronic cell counter
- Perform microscopic exam of blood film
 - prepare film and stain using a variety of techniques
 - perform leukocyte differential – normal vs abnormal
 - evaluate erythrocyte morphology – normal vs abnormal
 - estimate platelet numbers
 - calculate absolute values
 - correct white blood cell counts for nucleated cells
- Calculate hematologic indices
- Perform reticulocyte count
- Perform platelet count
- Coagulation tests – perform one of the following:
 - fibrinogen assay
- Perform blood chemistry tests (BUN, glucose, common enzymes)
- Perform serologic test (ELISA, slide/card agglutinations)*
- Identify blood parasites:
 - *Dirofilaria immitis* sp/*Dipetalonema immitis* sp – direct, Knotts, filter, antigen kit
 - *Haemobartonella* sp
- Perform parasitologic procedures for external parasites and identify:
 - mites
 - lice
 - ticks
 - fleas
 - flies
- Perform parasitologic procedures for internal parasites:
 - floatation solution preparation
 - fecal flotations
 - fecal sedimentation
 - direct smears
- Identify common parasitic forms:
 - Nematodes
 - Trematodes
 - Cestodes
 - Protozoa
- Perform microbiologic procedures/evaluations
 - collect representative samples
 - culture bacteria and perform sensitivity tests
 - identify common animal pathogens using commercially available media and reagents
 - perform common biochemical tests
 - perform staining procedures
 - culture and identify common dermatophytes
- Perform cytologic evaluation
 - assist in collecting, preparing and evaluating transudate, exudate and cytologic specimens (joint, cerebrospinal, airway, body cavity)
 - perform fine needle tissue aspirates and impression smear preparation (differentiate benign vs. malignant)

Name: _____

Clinical Pathology Assignment

Date: _____

- collect, prepare, and evaluate ear cytology
- collect, prepare, and evaluate canine vaginal smears

Collect/evaluate skin scrapings