

## Continuing Education – WetLabs

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Phoenix Lab is again offering Continuing Education opportunities for Veterinarians, Technicians and Assistants. We are happy to provide our Fall 2019 Schedule:

▪ **October 13th, 2019 – Sunday: Urinalysis and Medicine WetLab**

**1:00 to 4:00 pm at Phoenix Lab – Each attendee will receive three hours of CE credit. Cost - \$55.00**

This excellent review covers the gamut from sample collection to sediment evaluation. It is designed for the clinic doing in-house urinalysis, but is also beneficial for those using the reference laboratory. Topics include the four basic parts of the urinalysis, sample collection and handling, sediment preparation, examination and clinical significance. Freshly-made urine sediment preparations are examined in the laboratory for rbc's, wbc's, bacteria, crystals and epithelial cells. The laboratory will stress identification of rod and cocci bacterial from amorphous material. Urine sediment preparation for urine cytology, and the tests urine protein: creatinine and cortisol: creatinine ratios will also be addressed.

▪ **November 3rd, 2019 – Sunday: Parasitology and Medicine WetLab**

**1:00 to 4:00 pm at Phoenix Lab – Each attendee will receive three hours of CE credit. Cost – \$55.00**

This WetLab is designed for the clinic doing its own in-house fecal exams, but the information is important for every clinic stressing fecal examination as an important element of ensuring pet wellness. Topics include sample collection and preparation, direct smear evaluation, flotation techniques, fecal centrifugation, parasite identification and clinical significance, pseudoparasites and artifacts, and additional specialized testing such as giardia IFA. Freshly-made fecal preparations are evaluated by attendees and there is an opportunity to prepare a fecal sample by double centrifugation.

▪ **November 10th, 2019 – Sunday: Making the Most from Your Veterinary Diagnostic Laboratory**

**1:00pm-3:00pm at Phoenix Lab – Each attendee will receive two hours of CE credit. Cost-\$25.00**

This two-hour talk followed by Q and A will provide a general overview of how best to use an outside veterinary diagnostic laboratory alone or in conjunction with an in-clinic laboratory. Topics include: Hematology: sample collection and hematology overview including histogram interpretation, slide review and breed specific CBC changes; Chemistry/Serology: sample preparation; Urinalysis: preparation of slides for sediment review and urine cytology; Parasitology: direct smear, sedimentation techniques; Microbiology: sample preparation for urine and tissue culture, ear cultures, and a brief introduction to interpretation of MIC; and Cytology and Histopathology: tips on sample preparation including unique challenges such as large samples, special stains, and special needs. Special testing, such as GI function panels, endocrine testing, and infectious disease testing are additional options for the overview discussion. There will be an opportunity to practice making blood and urine sediment slides.

▪ **December 15th, 2019 – Sunday: Hematology I & II and Medicine WetLab**

**12:00pm to 4:00 pm at Phoenix Lab- Each attendee will receive four hours of CE credit. Cost – \$55.00**

We will begin with a basic overview to hematology including sample collection, slide preparation, staining techniques, systematic smear evaluation, and basic cell identification. WBC morphology will be discussed and platelet number estimation. The second part builds on the basic knowledge of the normal CBC reviewed in Hematology I. Anemia, regenerative and nonregenerative, will be discussed and RBC morphology detailed. Attendees will review CBC slides and corresponding case histories from 15 unique cases demonstrating principles discussed in lecture.

The goal of this WetLab is to familiarize attendees with RBC poikilocytosis including spherocytes, acanthocytes, schistocytes and eccentrocytes; neutrophil toxic change and bands, stimulated and atypical lymphocytes, eosinophilia and basophilia; platelet clumping and platelet number slide estimation. The technique of slide review will include scan of the feathered edge at 10x, 100 cell differential and assessment of RBC and WBC morphology in the monolayer area at 40x, and platelet count estimate at 100xoil. The emphasis is on canine and feline hematology although some information is provided on equine and bovine hematology.

***CE classes fill-up quickly, therefore we encourage you to sign up early. To sign-up for a class, please contact the Marketing Department at 425-355-5252 or 800-347-0043, or e-mail at [labnews@phoenixlab.com](mailto:labnews@phoenixlab.com).***