



**PURDUE**  
UNIVERSITY

# Clinical Trial Research

Office of Veterinary Clinical Trials  
625 Harrison Street  
West Lafayette, IN 47907  
Phone: 765-496-9715  
FAX: 765-496-1108  
Email: [vetcctrl@purdue.edu](mailto:vetcctrl@purdue.edu)  
*Or visit us on the web:*  
[www.vet.purdue.edu/clinicaltrials](http://www.vet.purdue.edu/clinicaltrials)

The Purdue School of Veterinary Medicine invites you to join us in the quest for the best veterinary healthcare. We are actively recruiting patients for numerous trials.

Current projects are listed below with the Principal Investigator.

PATIENT RECRUITMENT  
As of November 1, 2009

[CANINE](#)

[EQUINE](#)

[FELINE](#)

[ONCOLOGY](#)

CANINE

## **COMING SOON! Comparison of Aspirin, Clopidogrel and Low Molecular Weight Heparin in IMHA Therapy**

This study is evaluating the impact of treatment with anti-platelet and anticoagulant drugs on outcome in canine immune-mediated hemolytic anemia (IMHA). The objective is to compare the effects of aspirin, Clopidogrel and low molecular weight heparin (LMWH) therapy. Dogs with anemia (hematocrit  $\leq 0.3$  L/L) and no identifiable underlying disease may be included. Animals on immunosuppressive therapy for  $> 7$  days or treatment with any of the drugs being studied within 7 days of admission will not be included. Financial incentives are available for qualified patients.

Dr. Catharine Scott-Moncrieff

## **Gamma-Aminobutyric Acid Therapy for Canine Insulin-dependent Diabetes**

Dogs with diabetes mellitus are needed to test an oral supplementation of gamma-aminobutyric acid (GABA). The objective is to help improve glucose control and decrease their dependence on insulin. Patients are able to participate if they have been dependent on insulin for no longer than three years and no other serious illness. Blood tests and glucose monitoring will be performed at no expense to the owner.

Dr. Catharine Scott-Moncrieff

## **World Small Animal Veterinary Association International Renal Standardization Study**

Dogs with glomerular disease are being recruited in order to better characterize the various histologic subtypes and determine their prognosis and optimal treatment. Patients are eligible to participate if a kidney biopsy is recommended by their attending veterinarian. To be eligible for participation the urine protein:creatinine ratio must be  $>1.0$  in 3 samples collected over a 2 week period or longer, or  $>3.0$  in two samples collected at least 24 hours apart. Dogs with a serum creatinine  $>3.0$  mg/dl are not eligible. Qualifying patients will receive the processing and interpretation of the renal biopsy at no cost.

Dr. Barrak Pressler

## **Multicenter Clinical Trial of Methylprednisolone Sodium Succinate and Polyethylene Glycol in Canine Intervertebral Disc Disease**

The purpose of this study is to compare two different drugs in the treatment of acute intervertebral disc herniations. Dogs between 2 and 10 years old that weigh less than 20 kilograms are being recruited. They must be presented to the Purdue Veterinary Teaching Hospital within 24 hours of being paralyzed or loss of pain sensation. Prior drug therapy may disqualify a patient. Drugs being tested and recheck appointments are FREE.

Dr. Rebecca Packer

## **Investigation of Leptospirosis Disease in Dogs**

Dogs with acute renal or hepatic disease, with or without fever are being recruited. Blood and urine collected before antibiotic treatment will be used in the attempt to find and identify the specific genetic make-up of the *Leptospira* organism. No cost for these tests.

Dr. George Moore/ Dr. Ramesh Vemulapalli

## **Cranial Cruciate Ligament Rupture, Inflammation and Arthritis**

Dogs with ruptured cranial cruciate ligament are being recruited to study the relationship CCL rupture, inflammation and arthritis. Blood, urine, joint fluid and joint capsule samples will be obtained peri-operatively. Radiographic and gait evaluations will be performed before and at 6 and 12 weeks after surgery.

Financial incentives are available for qualified patients.

Dr. Gert Breur

## **Prostatic Esterase as a Marker for Prostatic Adenocarcinoma**

Paired urine and serum samples from any dog suspected of having prostatic disease or undergoing a prostatic wash is needed. No financial incentives are available for the client, but there is no charge for any additional testing performed on these samples.

Dr. Barrak Pressler

## **Correlation Between Urine Blastomyces Antigen Test, Fungal Urine Culture, and Urine Cytosediment Examination**

Urine is needed from any dog with confirmed or highly suspected systemic blastomycosis. Dogs must be enrolled prior to receiving antifungal therapy. Once identified, all three tests will be performed at no cost to the client.  
Dr. Barrak Pressler

## **Biomedical Evaluation of Surgical Specimens**

Canine and feline excess tissue collected during surgical biopsy procedures are being stored for future research. Any animal is eligible that needs a biopsy for diagnosis or treatment. There is no charge for the preparation or storage of the excess tissue.  
Dr. Lynetta Freeman

## **Paraneoplastic Peripheral Neuropathy**

Canine patients with a primary neoplasm that exhibit signs of lower motor neuron disease are being recruited to assess levels of antibody activity in their serum and cerebrospinal fluid. Workup includes electrodiagnostic evaluation, peripheral nerve and muscle biopsy, and CSF collection. Free Neurology consultation.  
Dr. Rebecca Packer

## **Secondary Spinal Cord Injury in Dogs**

Dogs that have sustained an intervertebral disc herniation resulting in spinal cord injury, paralysis and the absence of deep pain perception in the hind limbs are being recruited. Spinal fluid and spinal cord tissue will be collected at the time of euthanasia for biochemical evaluation to investigate the cause of myelomalacia. Cost of biopsies, euthanasia and necropsy will be paid by the study.  
Dr. Rebecca Packer

## **DNA and Serum Bank of Naturally Occurring Canine and Feline Diseases (Glomerulonephritis)**

Glomerulonephritis patients are needed to determine if naturally occurring diseases are similar in origin and progression as they are in people. DNA swab and serum will be collected during a concurrent visit.  
Dr. Barrak Pressler

## **Liposomal Clodronate as a Novel Treatment for Immune-mediated Hemolytic Anemia (IMHA) in dogs**

IMHA patients are needed to evaluate Liposomal Clodronate as a treatment for IMHA. Patients already receiving therapy for IMHA will not be enrolled. Standard therapy for IMHA including Prednisone, Azathioprine and Aspirin will be administered. \$250 case support will apply. An additional \$25-\$100 will offset follow-up bloodwork.  
Dr. Catharine Scott-Moncrieff

**Comparison of Response to Human Intravenous Immunoglobulin versus Vincristine in Dogs with Severe Immune Mediated Thrombocytopenia (ITP)**

Severe primary ITP patients are needed to compare human IV Immunoglobulin (hIVIG) to vincristine treatment. Prior treatment with any immunosuppressive drugs or secondary causes of ITP exclude from the study. Administration of Prednisone for <24 hours is okay. Vincristine and hIVIG drug is at no charge. Up to \$500 case support available upon approval.  
Dr. Catharine Scott-Moncrieff

## EQUINE

### **Accurate detection of bicarbonate loading in racehorses**

The purpose of the study is to validate a new method that would allow confirmation of bicarbonate loading or “milk shake” administration to racehorses. Standardbred and Thoroughbred horses admitted to the Purdue University Veterinary Teaching Hospital for the diagnosis and treatment of disease will be recruited. Participating horses will receive a blood gas analysis at no charge.  
Dr. Peter Constable/Dr. Laurent Couetil

## FELINE

### **Biomedical Evaluation of Surgical Specimens**

Canine and feline excess tissue collected during surgical biopsy procedures are being stored for future research. Any animal is eligible that needs a biopsy for diagnosis or treatment. There is no charge for the preparation or storage of the excess tissue.  
Dr. Lynetta Freeman

### **Feline Arterial Thromboembolism (FAT) Clopidogrel Vs Aspirin Trial**

Cats diagnosed with Feline Arterial Thromboembolism are needed to evaluate Clopidogrel vs. Aspirin therapy. Substantial funding is available.  
Dr. Dan Hogan

# **PURDUE COMPARATIVE ONCOLOGY PROGRAM**

## **CURRENT INVESTIGATIONAL STUDIES**

**[www.vet.purdue.edu/pcop](http://www.vet.purdue.edu/pcop)**

### **CANINE BLADDER CANCER (Transitional cell carcinoma)**

- 1) Investigational IV chemotherapy—a new chemotherapy protocol is being investigated for efficacy and safety. Free medication available. Owner must pay evaluation and administration costs.**
- 2) Metronomic (low dose, oral) chemotherapy—an investigational new approach to delivery of chemotherapy.**
- 3) FOLATE-TARGETED THERAPY**

**Because certain cancers in dogs and humans take up the vitamin, folate, Purdue researchers are investigating a folate/chemotherapy conjugate as a way of selectively delivering therapy to the tumor. Partial funding available.**

**Dr. Knapp/Patty Bonney at (765)494-1130**

**In conjunction with the NIH, we are studying the DNA of dogs with TCC with the goal of discovering factors causing genetic predisposition for this disease. A very small amount of blood is requested from Scottish Terriers and West Highland White Terriers over 5 years old and have confirmed (via biopsy)TCC.  
[www.dog.genome@mail.nih.gov](mailto:www.dog.genome@mail.nih.gov)**

**Tissue samples at the time of euthanasia of any dog or cat with TCC would be valuable. Snap frozen or formalin-fixed tissues of the urinary bladder tumor, regional lymph nodes, liver, and any other suspected site of tumor spread are requested.**

**Varying degrees of funding available.**

**Further information at [www.vet.purdue.edu/pcop](http://www.vet.purdue.edu/pcop), [bonney@purdue.edu](mailto:bonney@purdue.edu), or (765)494-1130.**

## **MALIGNANT LYMPHOMA**

**Influence of Prednisone on Remission and P-Glycoprotein Expression in Dogs with Lymphoma**

**Dogs with multicentric lymphoma are being recruited to assess the extent to which prednisone induces chemotherapy resistance and affects remission duration.**

**Dr. Mike Childress/Ms. Sarah Lahrman, RVT, at (765)494-1107**

## **CANINE OSTEOSARCOMA**

**A new treatment protocol is being evaluated post amputation with a diagnosis of osteosarcoma.**

**Dr. Diane Schrempp/Patty Bonney at (765)494-1130**

## **ANY MALIGNANCY**

**Anti-angiogenic Therapy –Dogs with any malignancy will be treated with an oral anti-angiogenic agent.**

**Dr. Debbie Knapp/Patty Bonney, RVT at (765)494-1130**