



Funded Clinical Trial with a Novel Anticancer Agent

University of Illinois Cancer Care Clinic and
Comparative Oncology Research Laboratory

Study Title: Evaluation of the procaspase-3 activator PAC-1 in dogs with neoplasia

Purpose of the study: Caspase-3 is a cell enzyme that directly leads to cell death. Cancer cells seem to have higher levels of this enzyme compared to normal cells. PAC-1 is a novel compound which leads to activation of this enzyme, thereby causing cell death in cancer cells and sparing normal cells. The goal of the first phase of this trial is to identify a safe, relevant dose of PAC-1 for tumor bearing dogs. This will be achieved by treating dogs for 7 days with oral PAC-1 and evaluating biologic effects by appropriate surrogate markers.

Inclusion Criteria:

- Dogs with histologically or cytologically confirmed neoplasia
- Dogs must have a measurable tumor burden
- Dogs must have a favorable performance status
- NO concurrent chemotherapy or radiation therapy. Dogs must be off of all such therapy for 1 week prior to study enrollment.
- Both newly diagnosed dogs and those with recurrent disease are eligible
- Signed informed owner consent; all treatment options for the pet will be presented and owner must decline all other options
- NO significant co-morbid illness, which includes renal or hepatic failure, history of congestive heart failure or clinical coagulopathy
- Dogs must weight $> \text{ or } = 20 \text{ kg}$

Diagnostics:

- Diagnostics include: 1) Screening bloodwork and urinalysis, 2) thoracic radiographs, 3) abdominal ultrasound, 4) tumor biopsy and histopathology, 5) bone marrow aspirate and cytology under sedation on day 7

Treatment:

- All dogs will be treated with a 7-day course of oral PAC-1.

Compensation:

- The study will pay for all diagnostics needed during the two week course of the study, an equivalent total compensation of ~\$1300.

Contact Information: Please feel free to call Dr. Laura Garrett at (217)244-0194, Dr. Pam Lucas at (217)244-0537, or Nancy George at (217)244-7789 to refer a patient or for any additional information. Referring veterinarian and client calls are welcome.

