Funded Study: Treatment of Canine Brain Meningiomas
University of Illinois Cancer Care Clinic and Comparative Oncology Research Laboratory

Study Title: Exploratory study of PAC-1 in combination with hydroxyurea for treatment of canine meningioma

Purpose of Study
The purpose of this study is to investigate the safety and anticancer activities of an investigational combination of chemotherapy agents in dogs with intracranial meningioma. The medication, PAC-1, has been shown to stimulate death selectively in cancer cells which express high levels of procaspase-3, and is believed to synergize with conventional brain tumor therapies inclusive of oral hydroxyurea.

Inclusion Criteria
- Must have a surgically accessible and measurable primary brain tumor consistent with meningioma on MRI scans.
- The tumor must be measurable (>10mm diameter on post-contrast T1-weighted MR images)
- Must be in overall good health
- No previous chemotherapy or radiation therapy administered
- If applicable, seizures must be well controlled with anti-epileptic medications for at least 6 weeks prior to enrollment

Eligibility Diagnostics
Prior to study entry, pet owners will be charged an initial consultation fee and be financially responsible and required to have the following diagnostics performed in their dog:
1. Brain MRI
2. Screening blood work and urinalysis

Protocol
Study dogs will receive an investigational combination of chemotherapy (PAC-1 and hydroxyurea) for a treatment period of 28 days. There will be scheduled rechecks for physical and neurological examination along with blood collection. Following the chemotherapy treatment period, a recheck MRI will be performed followed by surgical excision. In the event of complete clinical remission with only oral PAC-1 and hydroxyurea, a continued compassionate use of drug combinations will be considered on a case-by-case basis.

Compensation
Owners are responsible for eligibility requirements. Once eligibility criteria have been assessed, the study will cover up to $8,000 worth of costs associated with repeat MRIs, clinical visits during the study period, purchase and dispensing of oral hydroxyurea and PAC-1, and surgery.

Contact Information
Please feel free to contact our Clinical Trials Coordinator, Rebecca Kamerer, at (217) 300-6453 or rmoss81@illinois.edu to refer a patient or for any additional information. Referring veterinarian and client calls are welcome.