

## Study #7

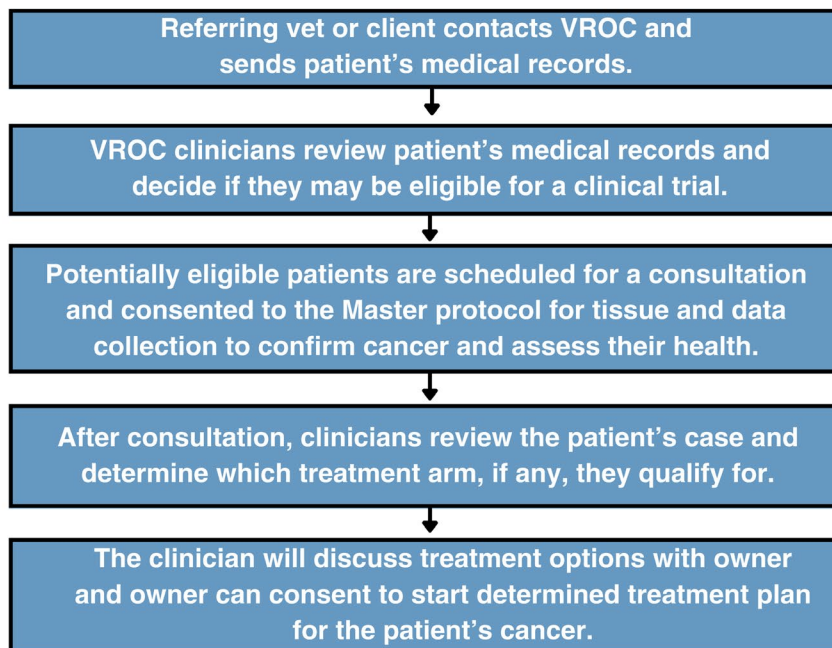
# Veterinary Clinical Trials in Canine and Feline Patients Using Combination Novel Therapeutics, Devices, and Data Collection Techniques

**Study objective:** *To evaluate the combination of ferumoxytol with radiation in glioma-bearing canines for reprogramming the tumor microenvironment, inducing tumor cell destruction, and improving radiation therapy.*

## Treatments

- Radiation therapy: delivered to the tumor 3 times over 1 week (Mondays, Wednesdays, and Fridays)
- Immunotherapy: no treatment or weekly treatments (for 2-3 weeks); treatment timeline varies on which arm the patient gets assigned to

## Treatment Timeline



## Tumor Types Enrolling

- Gliomas

## Inclusion Criteria

- Must have a confirmed primary or recurrent glioma or other eligible brain tumor
- Must be able to receive prednisone to taper over 6 weeks for course of treatment

## Exclusion Criteria

- Severe chronic diseases (e.g. some cardiovascular diseases, history of anesthetic complications) that increase the risk for anesthetic or treatment complications
- Patient is taking antioxidant supplements that cannot be stopped
- Patient has received radiation therapy in the past for current cancer
- Patient is receiving other therapies, such as chemotherapy and immunotherapies, and will not undergo a treatment washout period/stop treatment

## Procedures

- Questionnaire before consultation, and during each planned treatment and post-treatment visit. Patients may receive follow-up post-treatment visits at 2 and 4 weeks, 3 months, and then every 3 months for 1 year thereafter.
- Physical exams at consultation, treatment, and post-treatment visits
- Sample collection (e.g. blood, urine, feces, etc.) and possible imaging (MRI, CT, X-ray, ultrasound, etc.) at consultation, treatment, and post-treatment visits. If patient is enrolled into this study, a CT will be performed before delivering radiation therapy. At least 2 MRIs will be performed throughout study.

*\*Clinicians may decide that your pet is in need of additional samples/diagnostics at any time throughout the study based on their current health condition. Post-treatment follow-up visits for 3 months are mandatory for on-study pets.*