

Study #1

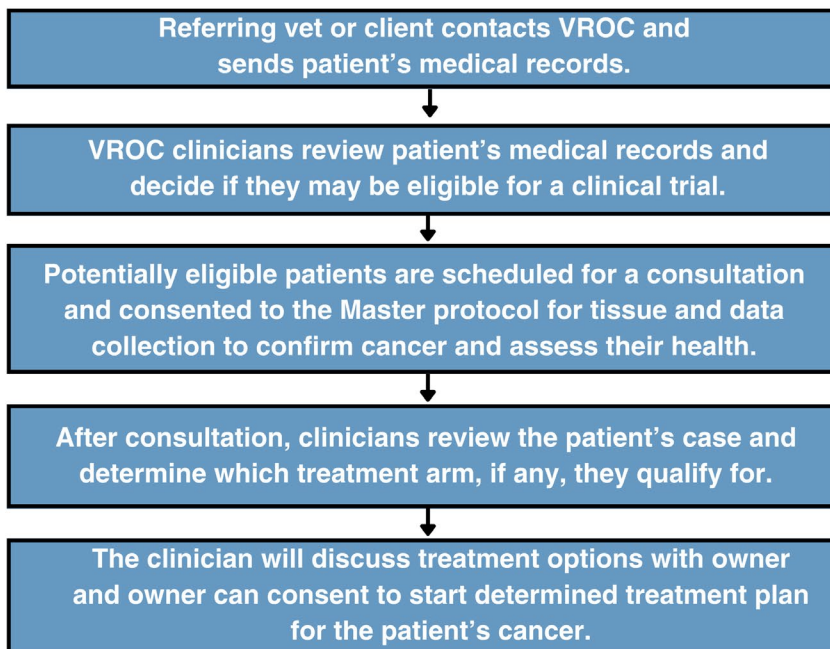
Evaluation of Weekly Intratumoral Cow Pea Mosaic Virus in Dogs with Solid Tumors

Study objective: *To assess the safety, feasibility, and preliminary immunological and clinical responses of intratumoral administration of cow pea mosaic virus (CPMV) in companion dogs with naturally occurring solid tumors. By engaging and modulating the host innate and adaptive immune system, this approach will support systemic antitumor response and offer insights into translational immunotherapy strategies for human cancers.*

Treatments

- CPMV given to each tumor by injection weekly for 1 month before tumor response evaluation
- Injections may be continued for an additional month after that and/or additional therapies may be recommended upon clinical evaluation

Treatment Timeline



Tumor Types Enrolling

- Melanomas
- Soft tissue sarcomas
- Mast cell tumors
- Thyroid tumors
- Mammary tumors

Inclusion Criteria

- Must have a confirmed active tumor diagnosis
- Must not be receiving other chemotherapies or immunotherapies at the same time as CPMV

Exclusion Criteria

- Severe chronic diseases (e.g. some cardiovascular diseases, history of anesthetic complications) that increase the risk for anesthetic or treatment complications
- Tumor is not accessible for injectable treatments

Procedures

- Questionnaire before consultation, weekly questionnaires during treatment, and bi-weekly questionnaires (for at least 3 months) at each post-treatment visit
- 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. Multiple blood collections may be taken at each post-treatment visit.

**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.*