ILLINOIS

College of Veterinary Medicine
Veterinary Teaching Hospital
1008 W. Hazelwood Drive
Urbana, IL 61802

Funded Study: Treatment of feline oral squamous cell carcinoma (OSCC).

Study Title: Evaluation of stereotactic body radiation therapy (SBRT), Olaparib and metformin in the treatment of bulky oral squamous cell carcinoma in cats.

Purpose of Study/Background/Objectives: The purpose of this study is to evaluate the safety and efficacy of SBRT in combination with Olaparib and metformin in cats with naturally occurring OSCC. The treatments will consist of combining focused radiation therapy with two oral drugs that are hypothesized to enhance radiation killing effects as well as promote the immune attack of cancer cells.

Inclusion Criteria:

- Cats > 1 year old, any sex or breed
- Tumor must be accessible for biopsies and must be amenable to radiation therapy.
- Histologic or cytologic confirmation of oral squamous cell carcinoma.

Exclusion Criteria:

- Diabetes Mellitus
- Untreated comorbid conditions
- Poor anesthetic candidate for any reason
- Cats with IRIS stage III or greater (Creat >2.8)

Eligibility Diagnostics:

- CBC, Chemistry Panel, U/A
- Cytology or histopathologic diagnosis
- CT scan of the head

Treatment/Protocol:

The patient will receive radiation therapy given once every 24 hours for 3 consecutive days, along with oral Olaparib and metformin at home. An esophageal feeding tube will be placed in all patients, and the tumor will be sampled at scheduled timepoints throughout the trial. CT scans and lab work will be used to assess patients at recheck appointments.

Owner Commitments:

- You are responsible for the initial exam and diagnostics to determine eligibility
- You are expected to make and keep all appointments associated with the study
- You are responsible for all costs associated with unrelated medical conditions

Compensation: Following enrollment, owners will be responsible for recheck exam fees. If the patient needs extra monitoring or support for CT scans and/or radiation therapy clients will be responsible for those fees as well. The clinical trial will cover the cost of the delivery of radiation therapy, feeding tube placement, recheck bloodwork and CT scans along with the at home oral medications. In the event of adverse events partial funding to cover these costs is available if treatment is pursued at the University of Illinois. Pet owners are responsible for treatment of unrelated medical conditions.

Contact Information: Our trials team recommends you schedule an on-site appointment to assess your pet's eligibility. We do not require a referral. The professional fee for the consultation is approximately $200 and does not include tests, medications or treatments that may be recommended at your appointment. **To schedule please call 217-333-5300.**

We would like the opportunity to review your pet's records from your veterinarian. After the appointment has been made the records can be emailed to medrec@illinois.edu or faxed to 217-244-2554.

If you have further questions, please feel free to contact our Clinical Trials Coordinator, Rebecca Kamerer, at (217) 300-6453 or rmoss81@illinois.edu

Referring veterinarians and client calls are welcome

Please check our up-to-date website to see if this trial is still active and enrolling.

https://vetmed.illinois.edu/research/clinical-trials/