

# CLINICAL STUDIES CORE

## Current Osteosarcoma Clinical Trials

### XRADIOS: A Pilot Study to Evaluate DNA Damage Response Inhibiting Drugs in Dogs with Osteosarcoma

Investigator: Dr. Michael Nolan

Requirements: Patients will be randomized to receive either placebo or radiation enhancing study drug, all patients will receive palliative radiation therapy. Routine diagnostics will be performed and all dogs will participate in non-invasive gait analysis and sensory tests.

Criteria: Dogs diagnosed with appendicular osteosarcoma (based on radiographs) of the distal radius. Patients may not receive other types of treatment before or while participating in this study. There must be no evidence of pulmonary metastatic disease.

Study Benefits: This study is **FULLY FUNDED!**

Contact Information: Ashely Fuhrer at 919-515-3634 / cvmclinicalstudies@ncsu.edu



### Treatment of Canine Osteosarcoma with Percutaneous Cementoplasty and Palliative Radiation Therapy

Investigator: Dr. Marine Traverson

Requirements: Patients will undergo minimally invasive surgery to inject the tumor with a special cement which will strengthen and support the bone. Treatment also includes palliative radiation therapy. Patients will be followed for 1 year. The study is fully-funded, treatment is covered at 100%.

Criteria: Dogs diagnosed with appendicular osteosarcoma of the distal radius. Patients may not receive other types of treatment before or while participating in this study.

Study Benefits: This study is **FULLY FUNDED!**

Contact Information: Ashley Fuhrer at 919-515-3634 / cvmclinicalstudies@ncsu.edu

### Clinical Trial to Evaluate the Safety and Effectiveness of Immunotherapy Combined with Surgery as Treatment for Appendicular Osteosarcoma in Dogs

Investigator: Dr. Steven Suter

Requirements: Participants will be required to come to NCSU for treatments and surgery. All patients will receive surgery, and then be randomized to receive either immunotherapy or chemotherapy. Owners must be willing to complete a 7-11 week treatment regimen and return for quarterly follow-up visits for a total of 18 months.

Criteria: Dogs diagnosed with appendicular osteosarcoma with limb still in place. Patients may not receive other types of treatment before or while participating in this study. There must be no evidence of pulmonary metastatic disease.

Study Benefits: This study is **FULLY FUNDED!**

Contact Information: Ashley Fuhrer at 919-515-3634 / cvmclinicalstudies@ncsu.edu



### Pilot Study of Prophylactic Total Lung Irradiation Combined with Amputation and Carboplatin Chemotherapy for Dogs with Appendicular Osteosarcoma

Investigator: Dr. Michael Mastromauro

Requirements: Patients receive affected limb amputation and chemotherapy followed by total lung irradiation (TLI). TLI consists of 10 daily treatments and must begin within 3 days of surgery.

Criteria: Newly diagnosed or highly suspected osteosarcoma (based on radiographs, signalment, cytology) with no evidence of metastasis.

Study Benefits: **FREE** total lung irradiation, radiation therapy planning, and associated general anesthesia. This is \$3,000 worth of medical treatment.

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