

# Treating Hypoxia via Tumorally Directed Oxygen for Improving Radiation Therapy

**NC State University College of Veterinary Medicine** is looking for dogs diagnosed with soft tissue sarcoma for a new clinical trial evaluating ultrasound-mediated tumor oxygenation. This minimally invasive technology will deliver oxygen to tumor tissue during radiation treatment. This will enhance tumor radiation sensitivity and may increase tumor response.

## **PARTICIPATION**

- A complete staging work-up will be performed, and patients will be treated with standard of care radiation therapy on 5 consecutive days. 4 follow-up visits will be required. Total participation will last about 6 months.

## **STUDY BENEFITS (FREE OF CHARGE TO PARTICIPANTS)**

- Free staging: physical exam, blood work, urinalysis, ultrasound, X-rays (actual tests will vary based on tumor type)
- Free radiation therapy treatment +/- oxygen enhancer
- \$1,000 towards cost of treatment on completion of the study

**INCLUSION CRITERIA** - All dogs participating in this study must meet the following criteria:

- Be diagnosed with soft tissue sarcoma (STS) of any stage or grade
  - Tumor must be biopsy accessible and histologically confirmed
- Be at least 1 year and 3.5kg
- Otherwise healthy as characterized by physical exam, blood work, and imaging
- Have not received any prior radiation to the tumor



**To inquire about the study, please contact Jocelyn Burkit**  
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