The Study
Lung masses can occur in dogs due to cancer (either primary tumors arising from lung tissue or metastases from other tumors) or infectious (fungal) causes. Radiation therapy is utilized as a treatment option for human lung cancer patients but not veterinary patients, due to inability to control lung movement. This can lead to too little or too much radiation being delivered. Accurate imaging determines the exact area of the lungs to treat, improves patient outcome, and decreases harm to surrounding healthy tissue. Breathing creates distortion in a traditional CT scan, thus making it more difficult to treat lung tumors. This study compares a traditional diagnostic CT scan to slow CT scan and fluoroscopy (fluoroscopy is like an x-ray “movie” that views the lungs as they move) to determine the best planning method for radiation therapy.

Why Participate
The study will allow us to better understand lung tumor movement and may make radiation therapy a more viable treatment option for dogs with lung tumors. Normal charges incur for examinations and diagnostic tests. Clients receive a $150 credit to cover additional anesthesia costs.

More Information
Please contact the UW Veterinary Care Oncology Service at 608-263-7600 or email radonc@vetmed.wisc.edu or med-onc@vetmed.wisc.edu.