

Clinical Lung Trial Information Sheet and Enrollment Form

*Stereotactic Radiosurgery (SRS) for the Treatment of Primary
Lung Tumors in Dogs*



Study Summary:

PetCure Oncology™ is currently recruiting patients for a clinical trial evaluating the effectiveness of stereotactic radiosurgery (SRS) for the treatment of lung tumors in dogs.

How to Enroll:

Complete the Enrollment Form below or visit www.PetCureOncology.com/ClinicalTrials. Any additional inquiries may be directed to the Clinical Trials Coordinator, Brandy Banks, at ClinicalTrials@PetCureOncology.com.

Terms of the Study:

PetCure Oncology is interested in better defining the role of SRS for the treatment of dogs with lung tumors. While this form of therapy is already being used to treat veterinary patients with lung cancer, there are no controlled, prospective studies in the veterinary literature that are designed to truly define the risks and benefits of this kind of radiation therapy for tumors of the canine lung. In order to encourage participation in the study, PetCure Oncology will:

1. Provide an SRS video consult free of charge
2. Provide a subsidy of up to \$5,250 towards SRS/SRT treatment course (varies by center)
3. Provide the two-week checkup free of charge
4. Provide the 3- and 12-month follow-up CT free of charge

Eligibility Criteria:

Any dog diagnosed with a primary lung tumor is potentially eligible for study entry. Candidates must also meet all of the following requirements:

1. A clinical diagnosis of cancer (may be waived if cancer is strongly suspected but tumor location is inaccessible)
2. Complete reference lab bloodwork is available and less than two weeks old
3. A diagnostic CT scan of the thorax has been performed (evidence of the spread of cancer is exclusionary for this study, but alternative treatment paths may be available)
4. The patient has no additional significant health concerns that would impact their ability to tolerate/survive multiple anesthetic events
5. Caregivers are required to sign informed consent that they understand this is an ongoing clinical study to better define the role of SRS in the treatment of primary lung tumors in dogs
6. Caregivers are required to follow the prescribed follow-up procedure, including repeat CT scans at 3 and 12 months post-treatment and an autopsy at PetCure's expense for any patient that dies following enrollment in the study

Background and Rationale:

Radiation therapy uses high-energy radiation to shrink tumors and kill cancer cells. The radiation is intended to damage the DNA of the cancer cells beyond repair so that they stop dividing or die. Stereotactic radiosurgery (SRS) is an advanced form of radiation therapy that delivers high-dose radiation with sub-millimeter precision, enabling precise targeting of a tumor with minimal collateral damage to nearby healthy tissue.

SRS has been used to successfully treat lung tumors in humans.¹⁻⁷ Studies have revealed that SRS is well-tolerated by the patient, results in minimal complications or side effects, maintains or improves quality of life, and results in equivalent survival times when compared to surgery for patients with operable tumors.^{1-4,6} Additionally, the morbidity and mortality rate during treatment, or shortly before or after treatment, is lower for the SRS-treated patients than for those treated surgically.

Hypothesis:

Dogs with primary lung tumors can be safely and effectively treated with image-guided SRS.

Study Design:

This is a single-arm prospective study. Eligible patients will be treated with a metric-driven protocol consistent with the quality assurance practices of PetCure Oncology and PetCure's Scientific Advisory Board. The protocol has been developed with the guidance of the Scientific Advisory Board, a body of independent experts created by PetCure Oncology in order to ensure an objective, science-driven and collaborative approach.

Contact Information:

If you have questions about enrollment criteria or would like to enroll your pet in the study, contact:

Brandy Banks, R.T. (R)(T)

Radiation Therapist

Clinical Trials Coordinator, PetCure Oncology

ClinicalTrials@PetCureOncology.com

866.753.5083

References:

1. Ematsu MIU, Hioda AKS, Uda ATS, et al. COMPUTED TOMOGRAPHY-GUIDED FRAMELESS STEREOTACTIC RADIOTHERAPY FOR STAGE I NON - SMALL-CELL LUNG CANCER : A 5-YEAR EXPERIENCE. 2001;51(3):666-670.
2. Crabtree TD, Denlinger CE, Meyers BF, et al. Stereotactic body radiation therapy versus surgical resection for stage I non-small cell lung cancer. *J Thorac Cardiovasc Surg.* 2010;140(2):377-386. doi:10.1016/j.jtcvs.2009.12.054.
3. Collins BT, Vahdat S, Erickson K, et al. Radical cyberknife radiosurgery with tumor tracking: an effective treatment for inoperable small peripheral stage I non-small cell lung cancer. *J Hematol Oncol.* 2009;2:1. doi:10.1186/1756-8722-2-1.
4. Onishi H, Shirato H, Nagata Y, et al. Stereotactic body radiotherapy (SBRT) for operable Stage I non-small-cell lung cancer: Can SBRT be comparable to surgery? *Int J Radiat Oncol Biol Phys.* 2011;81(5):1352-1358. doi:10.1016/j.ijrobp.2009.07.1751.
5. Muacevic a, Drexler C, Wowra B, et al. Technical description, phantom accuracy, and clinical feasibility for single-session lung radiosurgery using robotic image-guided real-time respiratory tumor tracking. *Technol Cancer Res Treat.* 2007;6(4):321-328.
6. Hof H, Herfarth KK, Munter M, et al. Stereotactic single-dose radiotherapy of stage I non-small-cell lung cancer (NSCLC). *Int J Radiat Oncol.* 2003;56(2):335-341. doi:10.1016/S0360-3016(02)04504-2.
7. Cancer CL. Image-Guided Radiation Therapy for Non-small. 2008;D(50):177-186.

Pet Parent Clinical Lung Trial Enrollment Form

Pet Parent Information

Your name:

Your phone number:

Your email address:

Preferred method of contact:

PHONE EMAIL

Pet Information

Pet name:

Pet date of birth:

Breed:

Gender:

MALE FEMALE

Your Veterinarian's Information

Veterinarian's name:

Veterinarian's practice:

Veterinarian phone number:

Veterinarian email address:

Do you authorize PetCure Oncology to contact your veterinarian in order to acquire medical history, imaging, or other pertinent information related to the health of your dog?

YES NO

Questions About your Pet's Diagnosis

Has your dog been diagnosed with a lung tumor?

YES NO I'M NOT SURE

Has your dog had bloodwork done within the last two weeks?

YES NO I'M NOT SURE

Has your dog had a CT scan or other form of imaging performed on their chest?

YES NO I'M NOT SURE

If yes, are you in possession of the imaging?

YES NO

Outside of the lung tumor, does your dog have any other medical conditions?

YES NO

If yes, please detail them below:

Anything else you would like to share with us? Let us know here:
