



We are offering a trial for dogs with brain cancer.



# Endovascular Radiosurgery in Dogs with Hypervascular Brain Tumors

**Summary:** To assess the effectiveness of Y-90 endovascular radiosurgery in slowing or reversing the progression of canine hypervascular brain tumors. Y-90 endovascular radiosurgery is a minimally invasive, targeted injection of Yttrium-90-loaded microspheres into the blood vessels of a tumor under X-ray guidance.

**Funding and Support:** The diagnostic MRI scan, Y-90 endovascular radiosurgery, and PET/CT scan for the study will be fully funded. Any medications our veterinarians prescribe to alleviate the side effects of the procedure, as well as follow-up MRI imaging and blood tests will also be covered by the study.

**Trial Eligibility:** Dogs of any breed and sex are eligible for the study.

**Inclusion Criteria:**

- The dog's owner has the ability to understand and sign a written informed consent and is willing to comply with study protocol.
- Hypervascular intra-axial brain tumor >1cm in size on MRI, restricted to one side of the brain.
- Age of at least 1 year and body weight greater than 10 lbs.
- Other restrictions may apply. Please call for details.

**Exclusion Criteria:**

- Anticipated life expectancy of less than 1 month.
- Previous or current oncological treatment of the brain tumor.
- Participation in another study.
- Evidence of serious systemic disorder or other condition that is clinically incompatible with the study.

**Trial Timeline:** Eligible dogs will receive an MRI scan to identify the tumor type and location. If imaging suggests that the tumor might respond well to Y-90 endovascular radiosurgery, we will perform the procedure, followed by a PET/CT scan. To assess the dog's response to treatment, blood tests and follow-up MRI scans will be performed free of charge. Further monitoring will be performed as deemed necessary by CIGAT veterinarians.

**If interested, please contact:**

The Center for Image-Guided Animal Therapy

Johns Hopkins University

Dara Kraitchman, VMD, PhD

Rebecca Krimins, DVM, MS

Email: [cigat@jhmi.edu](mailto:cigat@jhmi.edu)

Telephone: 410-502-7325

