AAHSD Study Detail- Study Number AAHSD000007

AuroLase Therapy for the Treatment of Solid Tumors in Cats and Dogs

This report reflects the most current information supplied by the study personnel as of today. Please revisit the AVMA Animal Health Studies Database for any updates concerning recruiting status or other details:
https://ebusiness.avma.org/aahsd/study_search_detail.aspx?sid=7

Study Summary Listing:

Scientific Title: Pilot Study of AuroLase Therapy for the Treatment of Solid Tumors in Canine and Feline Patients
Public Title: AuroLase Therapy for the Treatment of Solid Tumors in Cats and Dogs
Name of Condition Being Studied: Accessible solid tumors in dogs and cats
Species: Canine,Feline
Recruitment Status: Recruiting
Recruitment Dates: 11/10/2014 to 12/31/2016
Study Description: AuroLaseÂ® Therapy uses a therapeutic medical device designed to selectively destroy solid tumors using near infrared illumination from a laser. AuroLaseÂ® Therapy is comprised of three components: 1) an off-the-shelf near infrared laser source, 2) an off-the-shelf interstitial fiber optic probe for delivery of the laser energy to a site near or inside the tumor, and 3) the investigational gold nanoparticles (AuroShellÂ® particles), a near infrared absorbing, physiologically inert material designed to absorb and convert laser energy into heat. Intravenously administered AuroShellÂ® particles have previously shown efficacy and high selectivity over surrounding healthy tissues in a variety of animal models. Human clinical trials are now progressing utilizing AuroLaseÂ® Therapy for a number of clinical presentations and tumor types such as refractory head and neck, prostate, lung, and brain cancers. The purpose of the proposed study is to evaluate this therapy in dogs and cats with easily accessible spontaneous tumors. Dogs and cats will receive one AuroLaseÂ® Therapy treatment and will then be followed for one month after treatment to observe anticancer activity and side effects. Dogs or cats that have been diagnosed with a malignant tumor that is easily accessible will be eligible for this study. Required study visits include pretreatment, day 0 (which may be the same day as pretreatment), day 1, 14, and 28. A physical examination and a small blood sample will be collected pretreatment, and days 1, 14, and 28. The AuroShellÂ® particles will be administered intravenously on study day 0. On study day 1 (approximately 24 hours after AuroShellÂ® particle infusion), your pet will be anesthetized for approximately 30 minutes for application of the laser

treatment. While under anesthesia a tumor biopsy will be performed. Tumor biopsies will be repeated on study day 14 and 28 under mild sedation. Your pet may experience some local pain at the site of the biopsy and laser application. If this occurs, the clinician will prescribe pain medication. After study day 28 (or sooner if your pet is removed from this study for any reason), the study will be completed and the oncology clinician will discuss additional follow-up and treatment options with you. The study will cover all costs related to AuroLaseÂ® Therapy treatment and required recheck examinations, blood tests and tumor biopsies. In addition, a gift of $250.00 will be applied as a credit to your UW Veterinary Care account.
Inclusion Criteria:
Exclusion Criteria:
Potential Medical Benefits:
Potential Medical Risks:
Financial Incentives:
Type of Funding Source:
Name of Funding Source:

Study Protocol Details:

Study Type: Interventional
Investigators 'Masked'?: No
Owners 'Masked'?: No
Intervention Type: device
Intervention Name: Aurolase Therapy
Control Group Intervention: No Control Group
Primary Outcome Event: Tumor response
Primary Outcome Measured: Tumor size
Primary Outcome Endpoint: Duration of response
Secondary Outcomes Measured:
Secondary Outcomes Endpoint:

Study Results:

Study results:
Study results- file:
Study results- URL:

Study Contact Information:

primary study contact:

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Study Locations:

University of Wisconsin--Madison, Wisconsin

Animal owners interested in participating in a study are encouraged to discuss their eligibility for any relevant study with their veterinarian.