



Canine Liver Tumors

NC State University is enrolling dogs with liver tumors in a clinical trial investigating a new therapy called INSPIRE, which uses electrical pulses to safely destroy the membranes of cells within a tumor.

PARTICIPATION – Potential candidates will need to come in for a screening appointment at NC State Veterinary Hospital to determine eligibility. If the patient is deemed eligible for the clinical trial, they will return 1-2 weeks for their first INSPIRE therapy treatment.

Eligible patients will fall into one of two categories. The first category patients will receive a liver lobectomy a week after the INSPIRE treatment if the tumors are eligible for surgical resection. If the tumors are not eligible for surgical resection the patient will fall into the second category where we treat the tumors with the INSPIRE therapy up to 3 times at 3-week intervals. We will then monitor the tumor over a 9-month period after their last INSPIRE treatment with 5 follow up visits that include a CT scan and bloodwork.

INCLUSION CRITERIA – In order to participate in this study dogs must:

- Have 1-2 liver tumors measuring between 1-8 cm
- No other contraindicating comorbidities
- Patients must be \geq 30lbs.

STUDY BENEFITS – FULLY FUNDED. Patients will receive an oncology consultation, bloodwork at each study visit, multiple CT scans, echocardiogram with EKG, fine needle aspirate with pathology report of liver tumor, +/- liver lobectomy.

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