OSTEOSARCOMA

■ **Background**
  - Even when we can get local control of osteosarcoma, most dogs will die of their disease within a year even if they have amputation and chemotherapy. The goal is to see if we can slow or stop the formation of lung metastasis (spread of tumor to your dog's lungs which occurs in over 90% of cases) using your dog’s own Natural Killer (NK) cells. For owners who do not want to amputate or if the dog is not a candidate for amputation, this trial may offer a treatment option to help control pain and possibly slow or stop metastasis.

■ **Participation Requirements**
  - Dogs with osteosarcoma in the pelvis or one of the legs based on x-rays and staging tests

■ **Procedures**
  - CT scans of the tumor and lungs prior to and then post treatment (3 and 6 months later)
  - Biopsy of the tumor
  - Blood collection to grow your dog's NK cells
  - Standard palliative radiation therapy
  - Two injections of NK cells into the tumor

■ **Owner Responsibilities**
  - Keeping all scheduled appointments
  - Reporting any side effects of the treatment
  - Covering costs of the initial diagnosis and palliative radiotherapy

■ **Benefits**
  - The cost of biopsies, CT scans and anesthesia for the injection of NK cells as well as the cost to grow the cells is covered by the study.
  - The study will provide a $1500 hospital credit toward the cost of palliative radiation following the second injection of NK cells.
  - In the event any complications arise during the study period that are related to biopsy or intratumoral injections but not your dog’s tumor, their management will be covered by study funds up to $1000/per dog to be used at the UC Davis VMTH.

**PRINCIPAL INVESTIGATOR**
Dr. Michael Kent

**CONTACT INFORMATION**
(530) 752-0125 • (530) 752-9759
oncologyclinicaltrials@ucdavis.edu
www.vetmed.ucdavis.edu/clinicaltrials/