

Can short-term fasting help fight osteosarcoma or oral melanoma in dogs?



THE OHIO STATE UNIVERSITY

VETERINARY MEDICAL CENTER

Cancer cells have a unique metabolism that is highly dependent on the abundance of glucose. Recent studies show that calorie restriction slows cancer progression, improves response to chemotherapy, and reduces chemotherapy side-effects. The purpose of this study is to learn more about how the tissue environment and immune responses that surround a tumor might be changed by short-term (48 hours) fasting.

What qualifies my dog?

- Diagnosis of appendicular osteosarcoma or oral melanoma
- Surgery planned at OSU VMC
- No other major medical problems
- No evidence of cancer spread to other organs

Client compensation

Hospitalization for the fasting period and all the related lab work and sample collection for the two days study will be paid for by the study. These dogs and their owners will also receive \$500 to use toward their dog's cancer treatment at the OSU Veterinary Medical Center.

