

Thank you Hill's Pet Nutrition



Transforming Lives



For pets
with cancer,
nutrition
matters

Cancer affects many pets during their lifetime



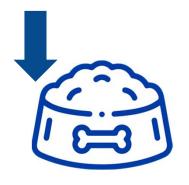
1 of 4 dogs



1 of 5 cats

www.csuanimalcancercenter.org

Cancer and its treatment increases the risk for malnutrition



Decreased Appetite



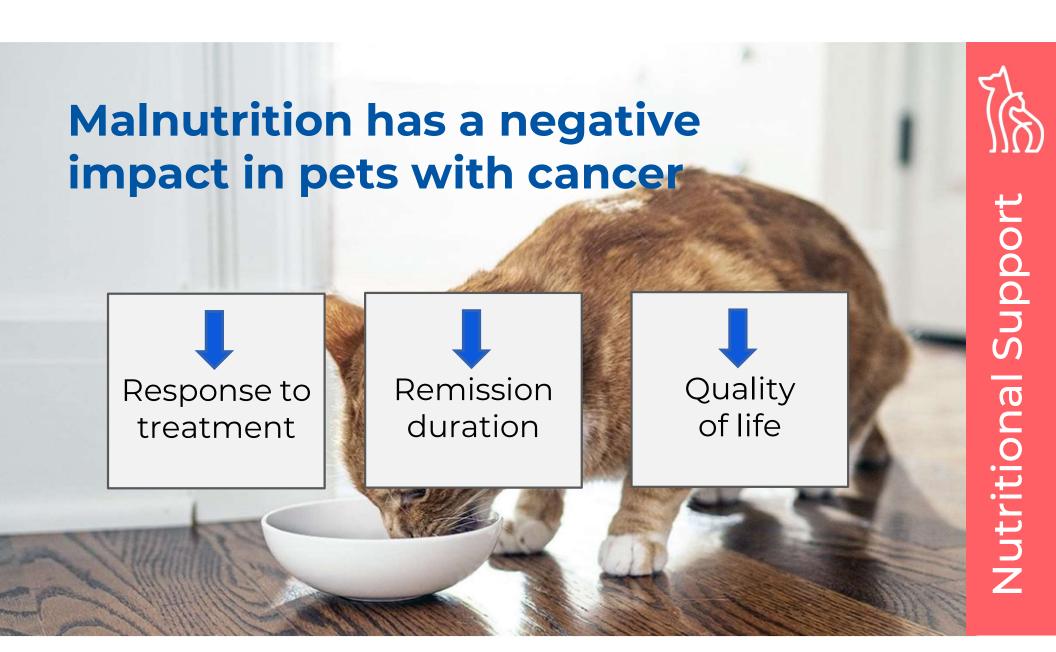
Weight Loss



Decreased Nutrient Absorption

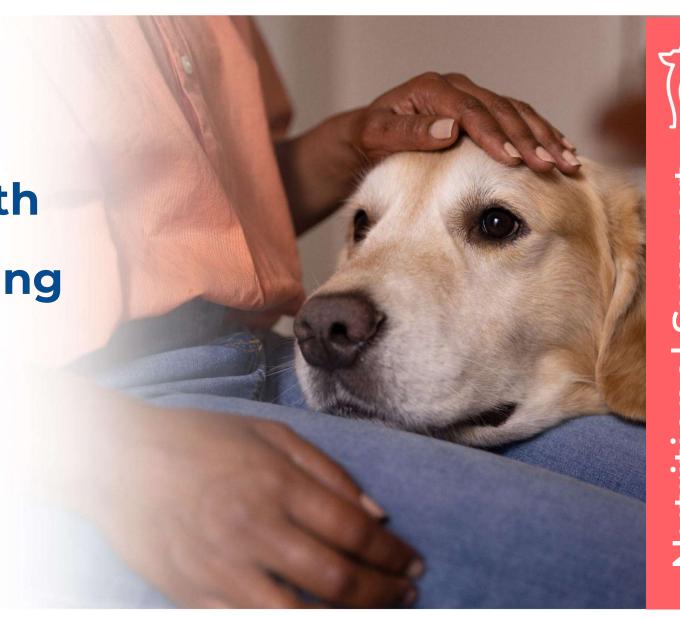


Diarrhea





For pets with cancer, eating is "life or death"





Initiate a proactive nutrition discussion with pet owners at cancer diagnosis

Owners of pets with cancer want your nutritional advice

100% Believe in importance of nutrition

93% Open to trying a new food

85% Aware of importance to keep eating

79% Anticipate need to change food

79% Trust their veterinary team

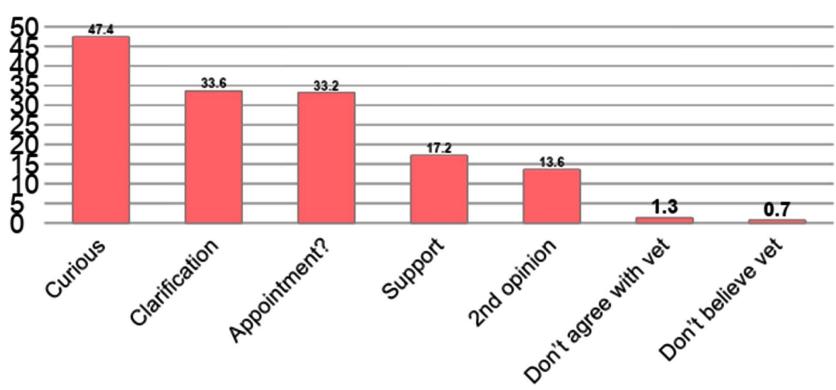
Rajagopaul S, et al. J Sm Anim Pract 2016;57:484-90.

More than 90% of pet owners are open to considering a change in their pet's diet...

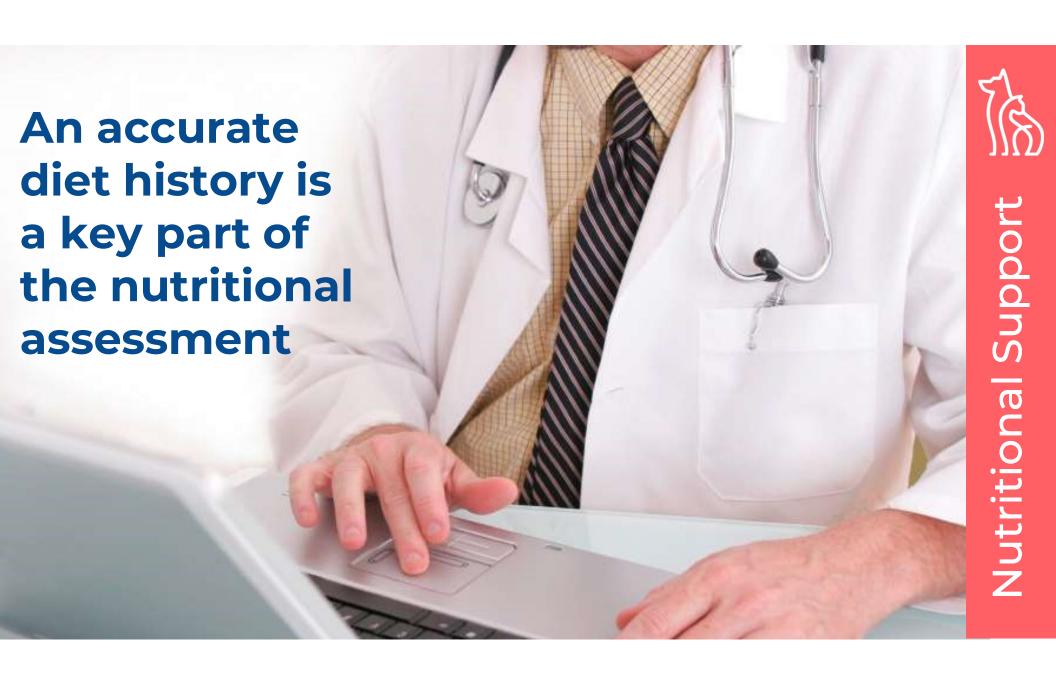
.... if they understand how it will benefit their pet.

Alvarez & Schultz *JAVMA* 2021;259:644-50. Rajagopaul S, et al *JSAP* 2016;57:484-90.

Pet owners don't look online because they disagree with their vet



Kogan LR et al. Internet J Vet Med 2009;8(1).



Start by asking what the pet owner is currently feeding





www.wsava.org

Home About Our Members

Committees





In this section:

- Animal Welfare Guidelines
- Gastrointestinal Guidelines
- Global Dental Guidelines
- Global Nutrition Guidelines
- Global Pain Council Guidelines
- Hereditary Disease Guidelines





Reinforce and explain the benefit of the new food

Instructions

Feeding instructions

New food information

Brochure

Text

E-mail



What percentage should be treats?





Eating enthusiasm is important



We partnered with Kansas State University Sensory and Consumer Research Center to develop an Eating Enthusiasm Scale





Eating Enthusiasm Emoji Scales



Least Most

What if the pet will not eat the new food?



Try feeding the new and old foods in separate bowls side-by-side

Warm up the food to 102° F (38.9° C)

Oregano*

Broth

Small amount
Honey or corn
syrup- dogs only if
not a diabetic

*Do not use when transitioning to or feeding a hyperthyroid food



A nutrition plan helps pet owners follow your recommendation









Meet King

King is at the hospital today for an appointment King has been limping lately



King

Yellow lab, male (neutered)

8 years, 60 lbs 3/5 or 5/9 BCS

Signs: Limping left rear leg



King

Diagnosis:

Osteosarcoma, left rear leg

Treatment plan:

Recommendation to amputate

Owner cannot do surgery right now due to financial constraints

Will support until can do surgery in about a month



Daily Energy Requirements

 $27.2 \times 27.2 \times 27.2 = 20,123.648$ $\sqrt{1} = 11.91 \times 70 = 834 \text{ RER}$

RER X 1.6 (adult) = 1334 kcals

1334- 10% - 134 kcals treats



Complete and balanced = 1200 kcals

Treats= 134 kcals

Total= 1334 kcals



King Diet History- pre diagnoses



Hill's Science Diet Adult Healthy Mobility Large Breed Chicken Meal, Brown Rice & Barley Recipe dog food- 3 1/3 cups a day 359 cup = 1200





Hotdog 1/3 for glucosamine = 44

Total Kcals per day= 1334

Why?



King's Diet Recommendation: Stay on current diet





Follow up- Take Diet History





Hotdog 3 for glucosamine = 444

Total Kcals per day= 1252 Goal DER= 1334





What else?

Am – 1 cup Science Diet

Healthy Mobility

1 slice of wheat bread

1 pat butter

1 slice bacon

1 egg

Am – 1 Hotdog 1 Hill's Flexi-stix treat

Midday – 1 Hotdog 1 treat- Hill's Flexi-stix treat PM – 1 cup Science DietHealthy Mobility1 Hamburger

PM-1 Hotdog 1 Hill's Flexi- Stix treat ½ cup low fat ice cream



What else?

Am – 1 cup Science Diet Healthy Mobility= 359 kcals 1 slice of wheat bread- 79.5 kcals 1 pat butter – 35.8 kcals 1 slice bacon- 110 kcals 1 large egg- 71.5 kcals

Am – 1 Hotdog- 148 kcals 1 Hill's Flexi-stix treat- 30 kcals

Midday – 1 Hotdog- 148 kcals 1 treat- Hill's Flexi-stix treat- 30 kcals PM – 1 cup Science Diet Healthy Mobility – 359 kcals 1 Hamburger- 251 kcals

PM–1 Hotdog-148 kcals 1 Hill's Flexi- Stix treat-30 kcals ½ cup low fat ice cream 146 kcals

Total?

1946 kcals





Calories before and after

diagnosis

Complete and balanced = 1200 kcals

Treats= 134 kcals

Total= 1334 kcals

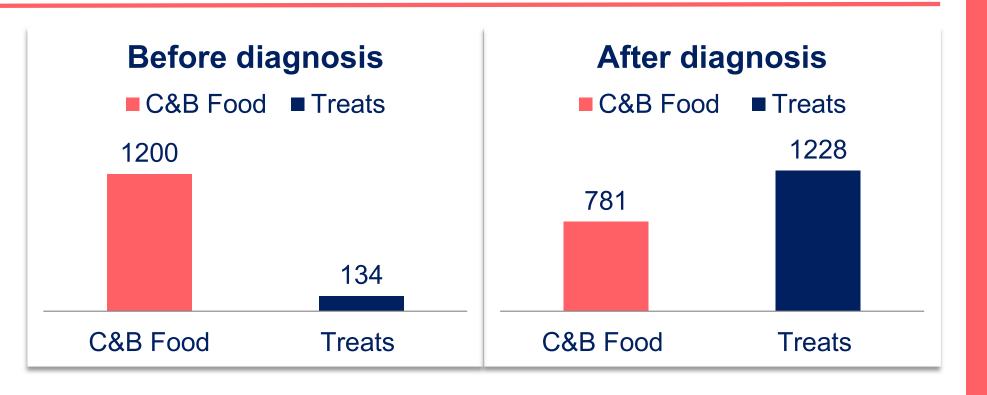
Complete and balanced = 781 kcals

Treats= 1228

Total= 1946

46% more calories

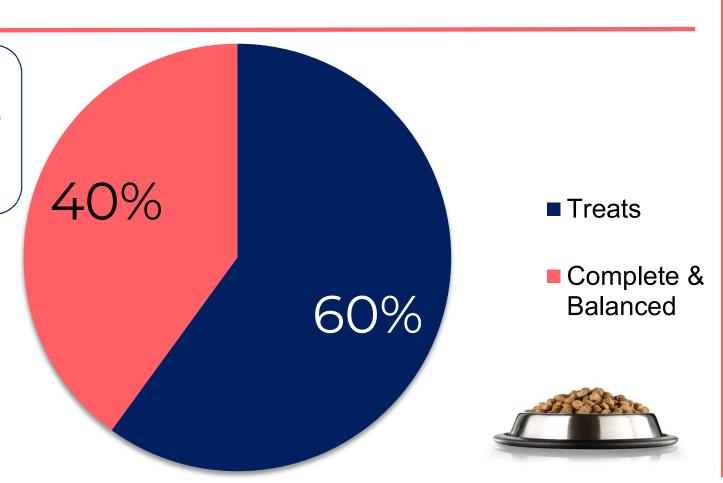
Calories before and after diagnosis



Complete & balanced vs. Treat calories



Daily Energy Requirements should not be below 90%



New food recommendation



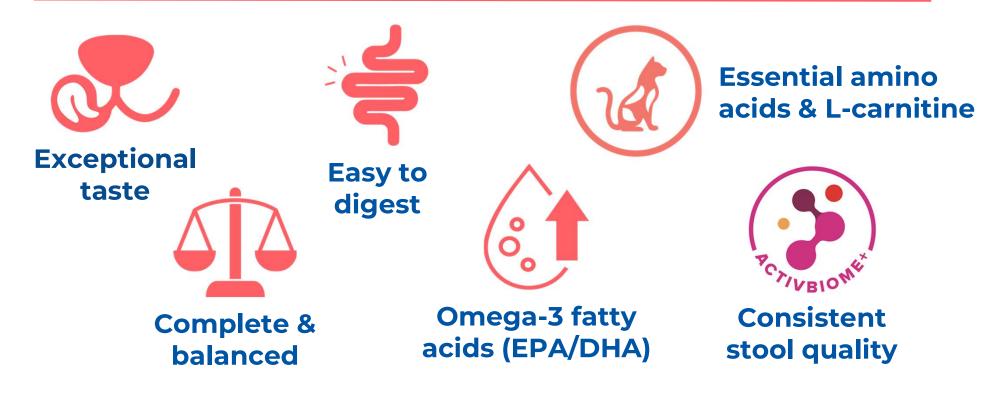




Hill's Prescription Diet
ONC Care with Chicken Dry Dog
Food- 483 kcals per cup

Hill's Prescription Diet
ONC Care Chicken & Vegetable
Stew Dog Food – 322 kcals per can

NEW Hill's Prescription Diet ONC Care





New food recommendation

Presciption Diet Onc Care Dry – 2 cups - 1039 kcals

Prescription Diet Onc Care Stew - ½ can- 161

Total 1200 calories from complete & balanced food



Feeding amounts

1200 complete & balanced food 134 kcals treats

Total - 1334

kcals





Treats

10% of total calories

10 miniature marshmallows= 22 kcals

1/3 piece of wheat Bread =26.5 kcals

½ tbsp.- Whipped Cream cheese-12.5 kcals

1/4 Hotdog = 44 kcals

1- Flexi-stix treats – 30 kcals

Total 135- kcals

Canned food-zero kcals in treat calories



If a feeding tube is needed Onc Care Stews blend homogeneously for syringeability







Onc Care Stews blend homogeneously for syringeability

If you have a patient that needs specific nutrition for tube feeding, what to do???



King- Follow up

2 weeks later

King is doing great on Prescription Diet Onc Care and is scheduled for his amputation



I just want to make sure I'm doing everything possible to help my dog



Recommend credible online resources for pet owners





Google and the Google logo are trademarks of Google LLC

Give an "online prescription" for credible nutrition information











Dr. Catherine Chan

Nutritional assessment is indicated for every pet, at every visit

AAHA → Resources → Pet Health Resources → Nutritional Resources

