

# Hank

9-year-old | Male Neutered | Boxer Mix | 63 lbs

Aid-in-Diagnosis in a Boxer Mix with a Mediastinal Mass

ONCOK9<sup>®</sup> by PetDx

## Presentation

### USE CASE

#### Aid-in-Diagnosis

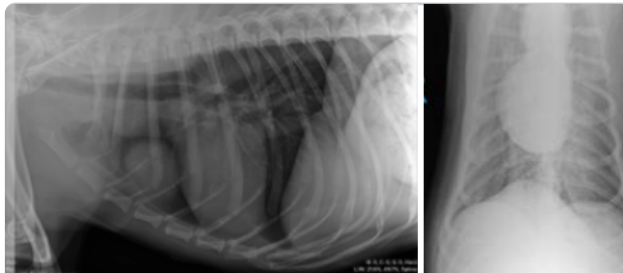
- ✔ Site Challenging to Access
- Site Not Clinically Evident
- ✔ Owner Preference

### CLINICAL DETAILS

Hank presented for mild hyporexia, polyuria, polydipsia, and lethargy. Labwork with his veterinarian showed mild hypercalcemia, and thoracic radiographs showed a cranial mediastinal mass.

### WHY ONCOK9 WAS PERFORMED

Cancer was suspected and oncology referral was advised, however the owner was hesitant to pursue oncology consult and preferred to start with non-invasive testing.



Lateral and ventrodorsal thoracic radiographs showing a cranial mediastinal mass

## OncoK9<sup>®</sup> Result

### CANCER SIGNAL



- A *Cancer Signal Detected* result significantly increases the likelihood that cancer is present, but does not confirm the presence of cancer. **This result should not be used as the sole basis for making important decisions such as treatment or euthanasia.**
- A confirmatory cancer evaluation should be performed to establish a definitive diagnosis.

#### Comments

Cancer signal origin prediction: hematological malignancy (likely lymphoma or lymphoid leukemia)

Due to a **Cancer Signal Detected** OncoK9 result, the owner consented to a Confirmatory Cancer Evaluation.

## Confirmatory Cancer Evaluation



EXAM



LABORATORY



IMAGING



SAMPLING

## Cancer Workup & Findings

- Oncologist consultation pursued; ultrasound-guided FNA cytology of cranial mediastinal mass performed

**Diagnosis: Large Cell Lymphoma**

## Case Takeaways/Outcome

### VETERINARIAN

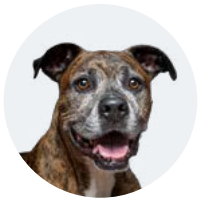
OncoK9 results helped the veterinarian convince the owner to pursue immediate referral for workup of suspected lymphoma.

### OWNER

OncoK9 results helped the owner decide to pursue oncology consultation and obtain a definitive diagnosis.

### PATIENT

Hank was able to start chemotherapy, which immediately palliated his clinical signs.



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## Case Summary

- 9yo MN Boxer mix with hypercalcemia and cranial mediastinal mass
- OncoK9®: **Cancer Signal Detected**
  - **Cancer Signal Origin Prediction:** Hematological malignancy (likely lymphoma or lymphoid leukemia)
- Confirmatory Cancer Evaluation recommended
- Ultrasound-guided FNA cytology of cranial mediastinal mass confirmed diagnosis of lymphoma
- Client pursued oncology consultation and chemotherapy was initiated, which caused immediate improvement of clinical signs



## Confirmatory Cancer Evaluation

May include any or all of the following:



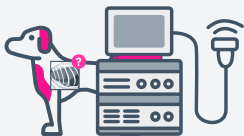
### EXAM

- Thorough clinical history
- Thorough physical exam
  - Including oral and rectal exam



### LABORATORY

- CBC and Chemistry
- Urinalysis



### IMAGING

- Thoracic radiographs – 3 views
- Abdominal imaging – ultrasound preferred
- Radiographs of localized areas of bone or joint pain, if present



### SAMPLING

- Tissue sampling of any detected masses or enlarged lymph nodes for pathological analysis

In some cases, advanced imaging (such as CT and/or MRI) may be indicated.



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