



# Henry

15-year-old | Male Neutered | Rottweiler Mix | 55 lbs

Aid-in-Diagnosis in a Rottweiler with a Neck Mass

ONCOK9<sup>®</sup> by PetDX<sup>™</sup>

## Presentation

### USE CASE

#### Aid-in-Diagnosis

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

### CLINICAL DETAILS

Henry was found to have a mass in his ventral neck. The mass was aspirated and reviewed in-house, however the owner declined submitting for cytology.

### WHY ONCOK9 WAS PERFORMED

Henry's veterinarian suspected cancer; his owner was hesitant to proceed with workup or referral, but agreed to liquid biopsy testing as the next step.

## OncoK9<sup>®</sup> Result

### CANCER SIGNAL



DETECTED

- 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.

Due to a **Cancer Signal Detected** OncoK9 result, a Confirmatory Cancer Evaluation was performed.

## Confirmatory Cancer Evaluation



EXAM



LABORATORY



IMAGING



SAMPLING

## Cancer Workup & Findings

- CT scan revealed two thyroid masses and two soft tissue nodules in the accessory lung lobe
- The owner then elected to pursue FNA cytology of the thyroid masses

**Diagnosis: Thyroid carcinoma (Epithelial neoplasia, consistent with thyroid origin)**

## Case Takeaways/Outcome

### VETERINARIAN

OncoK9 helped the veterinarian convince the owner to proceed with the recommended diagnostic plan.

### OWNER

OncoK9 helped the owner make the decision to pursue a workup.

### PATIENT

Henry's thyroid carcinoma was diagnosed and he was able to start therapy. Importantly, prognosis can be good with this cancer type, even with the presence of lung metastasis.



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## Case Summary

- 15yo MN Rottweiler mix with a ventral neck mass
- Owner was initially hesitant to pursue conventional workup, but agreed to liquid biopsy testing
- OncoK9<sup>®</sup>: **Cancer Signal Detected**
- *Cancer Signal Detected* result helped owner decide to pursue workup
- Imaging confirmed tumors arising from the thyroid gland, as well as possible metastatic sites in the lung
- FNA cytology of neck mass confirmed diagnosis of thyroid carcinoma

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## 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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