



PATIENT PRESENTING CLINICAL SIGNS

Cleo VonDyck History: Pet presented today, May 5th, 2023 for a pre-heartworm treatment exam. Owner adopted pet from Save the Satos. Upon adoption owner was informed pet is heartworm positive. Rescue gave the owner Doxycycline 100mg (1.5 tablet twice daily until gone) pet will be finishing the 30 day Doxycycline treatment this weekend. Upon arrival owner informed us pet has been coughing throughout the day. Digital Radiographs were performed with concerns of advanced heartworm. A 4dx test was reperformed to confirm pet is heartworm positive. Results were negative for lyme, anaplasmosis, and ehrlichiosis; positive for heart worm.

SPECIES

Canine

BREED

Mixed

RADIOGRAPHIC STUDY OF THE THORAX

SEX

Surrounding bony structures are within normal limits. Extra-thoracic soft tissues are homogenous without abnormalities and present marked fat storage.

Intact Female

AGE

1 Year 6 Months

The cardiac silhouette indicates a rounded and enlarged right side. The vertebral heart score is in normal limits. Pulmonary vessels present prominent arteries with an indicated torturous course. The lungs show a patchy appearance with a diffusely increased density. There is no evidence of focal/nodular lesions.

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet Specialist
in Diagnostic Imaging

Trachea is unremarkable in diameter and course. The luminal outline of the trachea is smooth. Carina and the bronchial tree appear normal.

The mediastinum presents expected soft tissue density, there is no evidence of tracheobronchial, cranial mediastinal or sternal lymphadenopathy. No mediastinal shift is seen.

The esophagus is not visible and considered to be normal.

HOSPITAL NAME

Denville AH

The diaphragm is unremarkable, there are no signs of pleural effusion.

RADIOGRAPHIC DIAGNOSIS

REFERRING VET

Doctor Reddy

- Suspected mild right heart enlargement
- Prominent pulmonary arteries
- Patchy increase of lung density throughout all lung parts

INVOICE INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

22356

DATE

5/5/23

The radiographic findings would match with the reported heart worm disease. Enlargement of the right heart chamber and the pulmonary arteries are suspected and are common findings. Pulmonary infiltrates due to eosinophilic inflammation/allergic reactions are likely and would explain the history of coughing. Mild lung edema is a potential differential diagnosis. Therapy decisions cannot be made based on the radiographic appearance alone. The grade of pulmonary hypertension, possible right



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heart failure (ACE inhibitors/furosemide/antithrombotics necessary?) and the presents/location and amount of adult worms should be evaluated and controlled by ultrasound. Wolbachia therapy with doxycycline is usually performed prior to adulticide treatment.

SPECIES

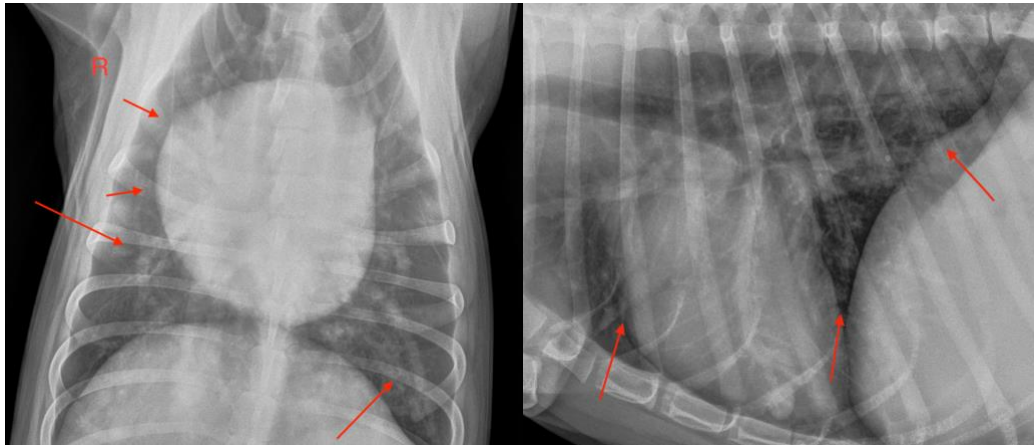
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

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