



PATIENT

Cholla Fisher

PRESENTING CLINICAL SIGNS

Pet has deep dry cough after drinking water. Pet was previously diagnosed with grade 4 heart murmur

SPECIES

Canine

RADIOGRAPHIC STUDY OF THE THORAX

3x RLR, 3x LLR

BREED

Yorkie/Poodle

RADIOGRAPHIC FINDINGS

The body condition score is 8/9 with smooth alternating layers of fat and soft tissue opacity.

The bony structures appear physiological.

SEX

Spayed Female

The degree of pulmonary expansion is fair. The lungs are in contact with the thoracic boundaries and the tips are pointed. The lobar vessels are poorly outlined, and peripheral bronchi are highlighted. Tramlines and doughnuts cause a bronchial pattern.

AGE

10 Years

The cranial mediastinum contains fat. The trachea runs parallel to the thoracic spine and the carina is elevated. The tracheal lumen is reduced in height level with C3-5. The terminal bronchus ends abruptly on one of the right lateral recumbent views.

INTERPRETED BY

Heike Rudolf, DVM,
Dr. med. Vet.,
DipECVDI DVR

The cardiac silhouette occupies 95% of the chest height and 4 intercostal spaces. The caudal border is straight and tenting of the left atrium is present.

The right kidney shows mineral deposits.

HOSPITAL NAME

Ahwatukee Commons
Veterinary Hospital

RADIOGRAPHIC DIAGNOSIS

- Cardiomegaly, left sided
- Tracheal collapse, mild
- Bronchial collapse, intermittent
- Broncho-interstitial pattern

Incidental finding

- Renal calcification

REFERRING VET

Dr. Linda Elliott

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Tracheal collapse alone can be due to a weakened dorsal tracheal ligament. Tracheal as well as tracheo-bronchial collapse is usually caused by chondromalacia and is thus due to an altered cartilage development which may go unnoticed until physical circumstances (such as stress, running, excitement) or disease (e.g. L cardiac enlargement pneumonia, bronchitis,) reduces the ease of airflow. Echocardiography to assess mitral valve and L atrial size and bronchoscopy to obtain a BAL is recommended. Should an underlying disease be present treatment may improve the clinical signs.

INVOICE

47206

DATE

8-30-21

The lung pattern suggests bronchitis. Primary inflammatory, non-infectious causes (e.g. neutrophilic, eosinophilic, allergic), as well as infectious causes (bacterial, viral, parasitic) need to be considered. The generalized interstitial component is a non-specific finding and accentuated by the only fair expansion of the lung field. Possible differential diagnoses in addition to the ones



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mentioned above are:

- Edema
- Fibrosis
- Tumor (e.g. lymphoma)

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Bronchoscopy including BAL is necessary for a definitive diagnosis once pulmonary edema has been ruled out and the pattern persists.

Obesity is known to worsen clinical signs of cough and impair lung function; weight control is strongly recommended.

BREED

Yorkie/Poodle

TECHNICAL COMMENTS

Human fingers in the primary beam (3 views). Only jpg images were submitted. The transformation from DICOM to jpg reduces the image quality and only allows limited manipulation of the image. More subtle lesions can thus easily be missed. For the best possible imaging reports, I suggest submitting DICOM images in the future.

SEX

Spayed Female

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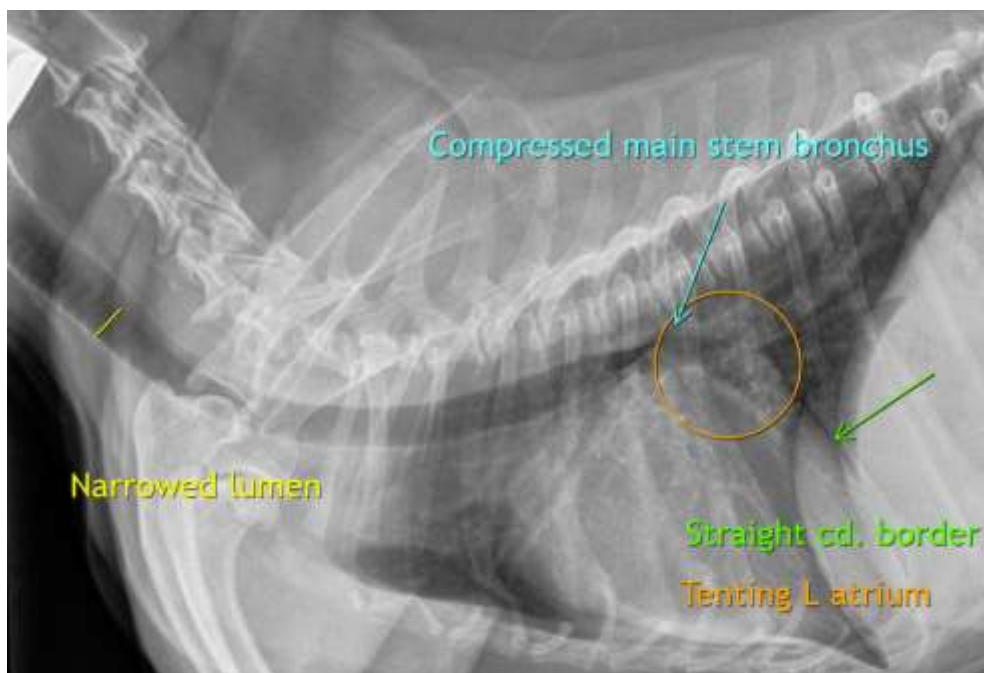
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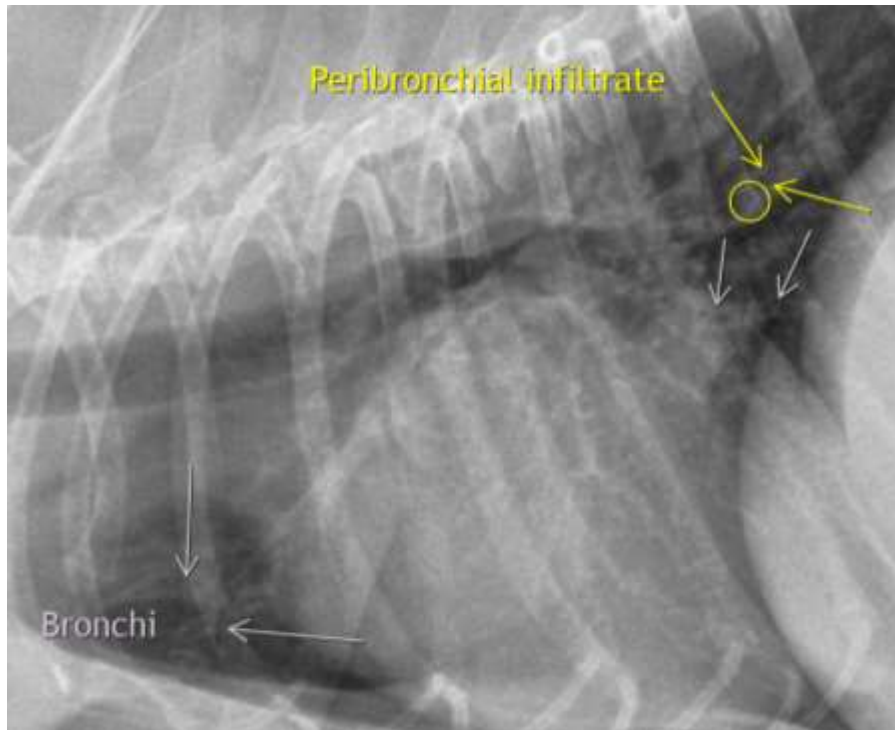
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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Dr.H.Rudorf@gmail.com