



PATIENT PRESENTING CLINICAL SIGNS

Tuli Grainger History: Cough (dry) since mid May; progressively getting worse. Cough triggered by excitement. Rare contact with unknown dogs. Cough responded well with Doxycycline and Prednisone.
Abnormal PE/Chem/CBC/UA Results: Harsh unproductive cough. Bilateral crackles ausculted in cranial lung fields. Intermittent wheeze; periods of increased resp. effort associated with stress. Not febrile.

SPECIES

Canine

RADIOGRAPHIC STUDY OF THE THORAX

The body condition score is 8/9 with a large amount of dorsal subcutaneous fat.

BREED

Jack Russell Terrier

The bony structures appear physiological.

SEX

Spayed Female

The degree of pulmonary expansion is fair at best. The lungs are in contact with the thoracic boundaries and the tips are pointed. The lobar vessels are indistinct on the lateral views; on the DV the tertiary branches are blurred, and peripheral bronchi are highlighted.

AGE

11 Years

The cardiac silhouette occupies 80% of the chest height and 3 intercostal spaces (VHS 10). A bulge is located at the level of the pulmonary artery segment.

RADIOGRAPHIC DIAGNOSIS

INTERPRETED BY

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

- Tracheal collapse
- Obesity
- Possible enlargement of pulmonary artery segment

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

Companion AC

Tracheal collapse alone can be due to a weakened dorsal tracheal ligament. Tracheal in combination with 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. pneumonia, bronchitis, L cardiac enlargement) reduces the ease of airflow.

REFERRING VET

Dr. Varinia Acosta

The generalized interstitial lung pattern is a non-specific finding and accentuated by obesity and the only fair expansion of the lung field. Possible differential diagnoses for a true infiltrate include:

INVOICE

16468

- Infection (bacterial, fungal e.g. candida, viral, Rickettsia, Spirochetes, parasitic)
- Inflammation (allergic e.g. eosinophilic bronchopneumonia and PIE, smoke inhalation)
- Fibrosis
- Edema
- Hemorrhage
- Tumor (e.g. lymphoma)

DATE

7/1/22

The last three appear unlikely.



PATIENT

Tuli Grainger
 Echocardiography to assess mitral valve, left atrial size and pulmonary artery segment (in case of pulmonary hypertension) as well as bronchoscopy to obtain a BAL is recommended. Should an underlying disease be present treatment may improve the clinical signs.

SPECIES

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

Canine

TECHNICAL COMMENTS

BREED

A lead sleeve is in the primary beam.

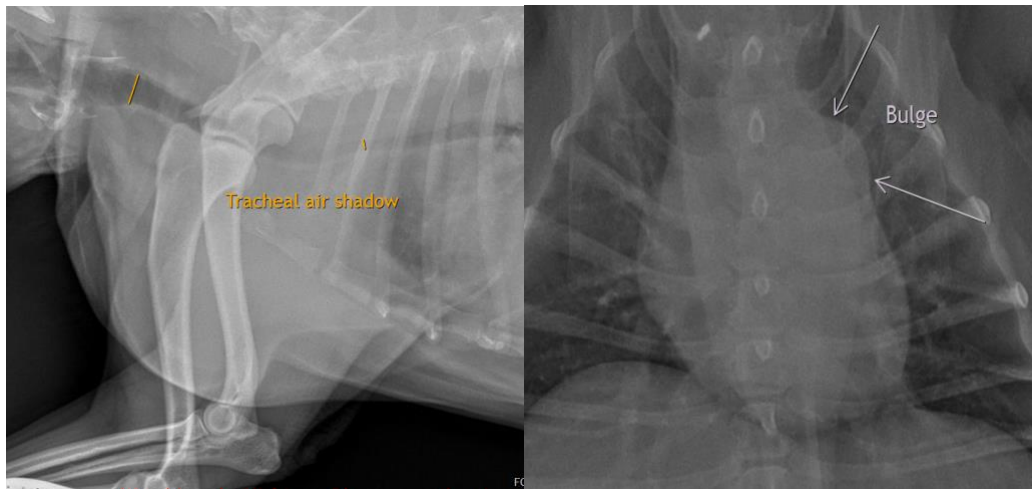
Jack Russell Terrier

SEX

Spayed Female

AGE

11 Years



INTERPRETED BY

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

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

HOSPITAL NAME

Companion AC

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.

REFERRING VET

Heike Rudolf, DVM, Dr. med. vet., DipECVDI, DVR
 dr.h.rudorf@gmail.com

Dr. Varinia Acosta

INVOICE

16468

DATE

7/1/22



PATIENT

Tuli Grainger

SPECIES

Canine

BREED

Jack Russell Terrier

SEX

Spayed Female

AGE

11 Years

INTERPRETED BY

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

HOSPITAL NAME

Companion AC

REFERRING VET

Dr. Varinia Acosta

INVOICE

16468

DATE

7/1/22