



PATIENT PRESENTING CLINICAL SIGNS

Leland Heffernan History: p presented for care after routine dental at rDVM. p appears to have aspirated and was having difficulty breathing, p has become increasingly oxygen dependent. o states ~ 6 months ago, p had a respiratory "episode" that was similar, he tends to have exercise intolerance (more so than o finds normal), p moved from Japan within past 6 months
 Abnormal PE/Chem/CBC/UA Results:

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX AND ABDOMEN

BREED A high resolution pre- and post-contrast CT study of the thorax and abdomen is provided for review.

Shetland Sheepdog **COMPUTED TOMOGRAPHIC FINDINGS**

Thorax

SEX

Neutered Male

The bony and surrounding soft tissue structures are within normal limits.

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits. A thymic remnant is visible in the cranial mediastinum.

AGE

4 Years

The cardiovascular structures including the pulmonary vasculature are within normal limits.

INTERPRETED BY

The cervical tracheal segment appears to have an decreased diameter and the lumen is completely occupied by the endotracheal tube.

Sebastian Schaub,
 DVM Dr. med. vet.
 DipECVDI

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

HOSPITAL NAME

The lung parenchyma presents the expected architecture and attenuation behavior.

AEH Volusia

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

REFERRING VET

Abdomen

Dr. Johnson

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

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Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

The adrenal glands are within normal limits for size, shape and organ architecture.

DATE

2/11/22



PATIENT Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

Leland Heffernan

In the gallbladder, a moderate amount of gravity dependent, mild hyperattenuating biliary sludge is visible.

SPECIES

Canine

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

BREED

Shetland Sheepdog

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

The bony and surrounding soft tissue structures reveal no abnormalities.

SEX

Neutered Male

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Possible tracheal hypoplasia
- Normal thorax
- Normal abdomen

AGE

4 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The tracheal diameter of the cervical segment appears decreased and mildly irregular concerning for tracheal hypoplasia or tracheal stenosis due to preceding tracheal injury. Either radiographs of the course of the trachea or tracheoscopy can be used to rule in/out the finding. There are no signs for aspiration pneumonia or other pathological changes of the lung parenchyma. No abnormalities of the cardiovascular system or pulmonary vessels are appreciated. However, complementing workup by a cardiac echo appears beneficial.

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDD

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REFERRING VET

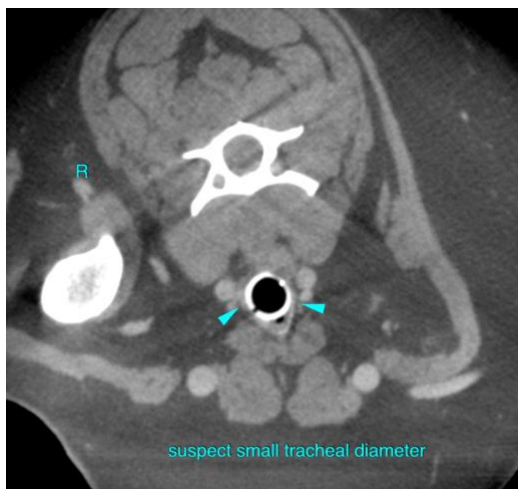
Dr. Johnson

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PATIENT 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.

Leland Heffernan

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.

SPECIES

Canine

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BREED

Shetland Sheepdog

SEX

Neutered Male

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4 Years

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