



PATIENT

Oliver Bodie

PRESENTING CLINICAL SIGNS

2 week history of increased respiratory effort. Transferred from rDVM for further workup. Abnormal PE/Chem/CBC/UA Results: Bloodwork unremarkable. Radiographs revealed bicavitary effusion. Mobile ultrasound - moderate leaflet changes but no structural heart changes. No pulmonary hypertension, abdomen-NSF. Cytology pending.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

BREED

Cavalier King Charles Spaniel

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

SEX

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

MN

A moderate to marked amount of fluid attenuating, gravity dependent material is visible in the pleural cavity. The lung lobes present a reduced volume and are retracted from the thoracic wall. The left cranial lung lobe presents multiple regions of compression atelectasis. The left caudal lung lobe is consolidated with air-bronchograms.

AGE

2 Years, 6 Months

A thymic remnant appears to be present in the cranioventral mediastinum.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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.

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

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Small amount of fluid is seen within the esophageal lumen, there is no evidence of abnormal dilation.

Abdomen

A moderate to marked amount of fluid attenuating material is present in the peritoneal cavity. The peritoneal fat presents mild to moderate fat-stranding.

REFERRING VET

Dr. J. Tait

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.

INVOICE

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

DATE

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The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.



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

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

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The vertebral endplates L2/L3 and L5/L6 present moderate spondylosis formation.

COMPUTED TOMOGRAPHIC DIAGNOSIS

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Spaniel

- Moderate to marked pleural effusion
- Moderate peritoneal effusion
- Secondary dystelectasis of multiple regions of the lung
- Spondylosis deformans

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

MN

The CT study is fitting the history of bicavitary effusion, but unfortunately fails to present a specific underlying cause. There is no evidence of a mass, thrombus, abscess formation or torsion of a thoracic/abdominal organ. Differentials for the bicavitary effusion include infection, inflammation (e.g. vasculitis), neoplasia (e.g. lymphosarcoma, mesothelioma), pancreatitis, pleuritis, cardiac disease, hepatic disease, hypoproteinemia or trauma. Tapping of the effusion and complete fluid analysis is mandatory for further workup.

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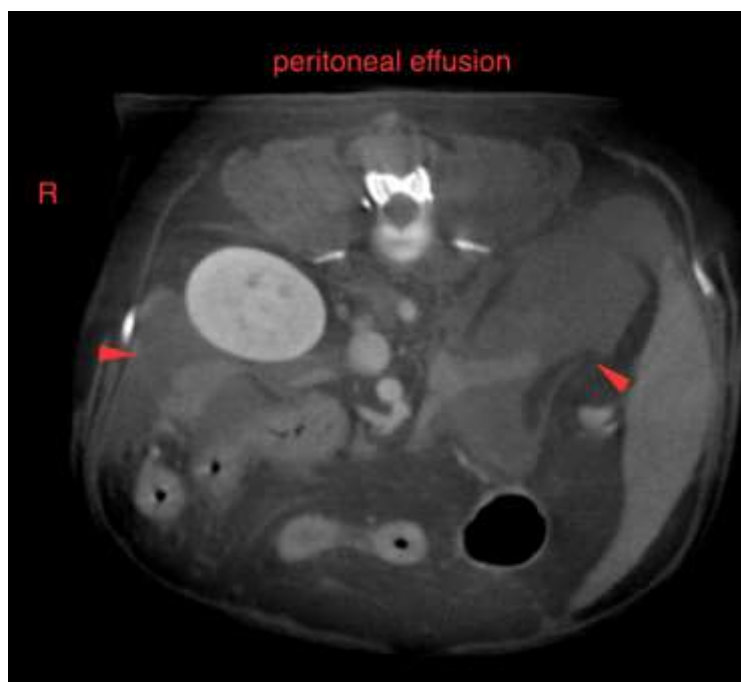
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Canine

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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