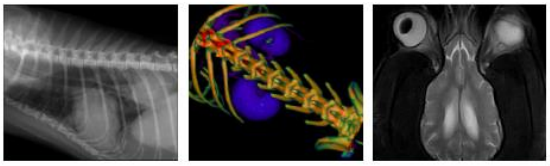
SonoPath Teleradiology

EDUCATIONAL TELECONSULTATION SERVICES™



SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Kal El Dorge

SPECIES

Canine

BREED

Husky

SEX

MN

AGE

4 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Bridgwater
Veterinary Hospital
and Wellness Centre

REFERRING VET

Dr. R. Rentz

INVOICE

56019

DATE

1-5-23

PRESENTING CLINICAL SIGNS

Presented Jan 3/23 for shallow breathing - started a few weeks ago, but extreme lethargy began on Jan 3. RDVM found pleural effusion
Abnormal PE/Chem/CBC/UA Results: Mild neutropenia

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

A moderate amount of free pleural air is seen within both pleural cavities. There is a moderate amount of pleural fluid within the left and a mild amount of pleural fluid within the right hemithorax. The lung lobe margins are retracted from the thoracic wall and rounded. Partial lobar collapse is noted. Regional consolidations of the pulmonary tissue are seen within the peripheral aspect of the right cranial lung lobe as well as within the left caudal and accessory lung lobes.

Blebs (subpleural, thin walled, gas filled cavities) appear to be present at the surface of the accessory and left caudal lung lobes.

There is a moderate amount of free mediastinal air in the caudal mediastinum which can be traced into the cranial retroperitoneal space as well.

Abdomen

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

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.

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

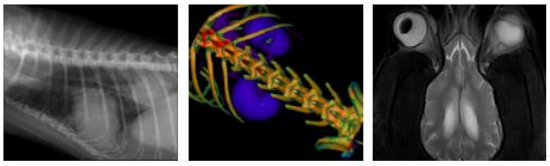
The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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

The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate bilateral liquido-pneumothorax with partial pulmonary collapse and suspect pulmonary hemorrhage.



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- Occasional pulmonary blebs.
- Mild pneumomediastinum and pneumoretroperitoneum – likely translocation of air from the pleural space.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals bilateral liquido-pneumothorax. The pneumothorax may be iatrogenic. Spontaneous pneumothorax should be considered as a potential differential diagnosis. No structural pulmonary injury was seen other than the focal consolidations which may in part represent atelectatic changes of the lung tissue. However, regional pulmonary hemorrhage is a potential differential diagnosis.

The blebs likely represent trapped subpleural air due to spontaneous superficial parenchymal rupture.

The type of effusion remains unclear. No underlying cause was seen within the pulmonary tissue, mediastinum, or pleural cavities. Exudate, modified transudate, transudate, and chylous are potential differential diagnoses and further definition by means of aspiration and analysis of the fluid should be considered if not performed already.

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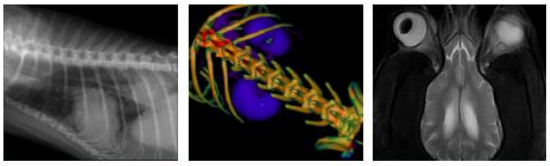

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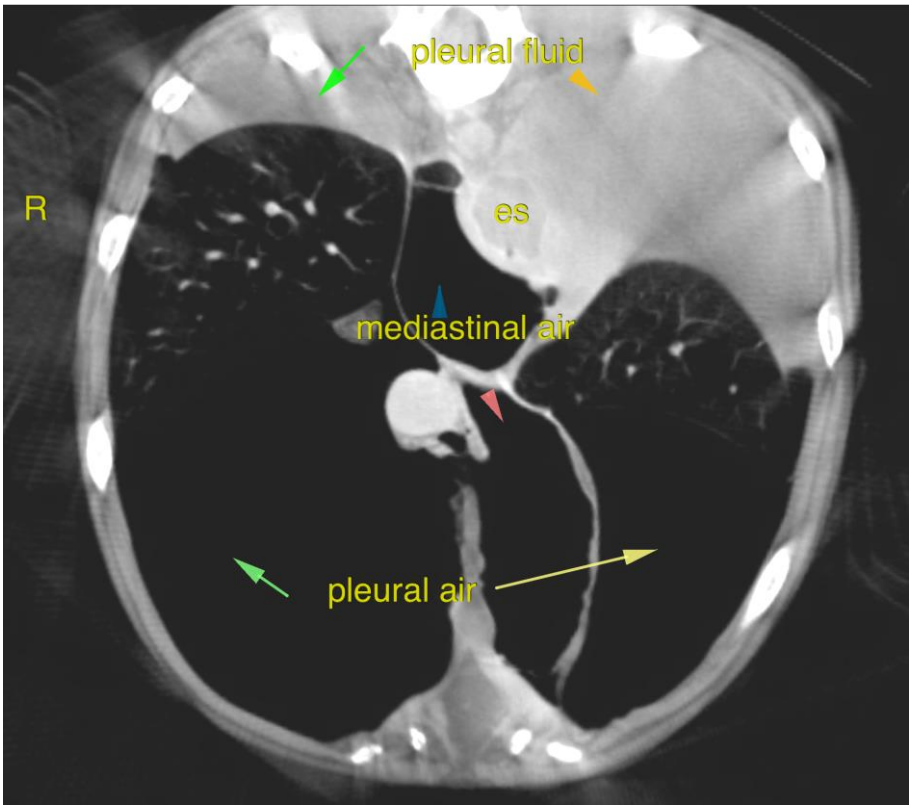

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
Nele.Eley@sonopath.com