



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Cora Wester

SPECIES
Canine

BREED
American Pitbull Terrier

SEX
Female

AGE
8 Years

INTERPRETED BY
Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME
Southern Oregon
Veterinary Specialty
Center

REFERRING VET
Ravi Seshadri

INVOICE
57326

DATE
3-20-23

Cora presented with pleural effusion. On initial impression after drainage of 1.8 L the fluid appears to be a chylothorax. She had an echocardiogram that revealed mitral regurgitation, with mild volume overload. She is not in pulmonary edema/failure at this time. Post echo she had undergone an uneventful CT scan. Prior to the initial series of images contrast at 100 mg/kg was injected into the popliteal node. This was to try and outline the thoracic duct, however our impression is inadequate contrast was found in the thoracic duct. She had a post contrast scan of 500 mg/kg of iodine IV also completed. Post scan recovery was smooth and uneventful after the remaining fluid in the thorax was drained. Breath-hold through both sequences. Images are submitted to Sonopath for radiology image interpretation. Plan is to manage medically pending radiology report.

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX

Plain and post IV contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

No significant enhancement of the thoracic duct can be seen.

There is a mild amount of pleural effusion which is symmetrically distributed between both pleural cavities.

The lung lobe margins are retracted from the thoracic wall and rounded. Partial pulmonary collapse with peripherally accentuated atelectasis is seen. Occasional pulmonary osteomas are noted. No other significant structural bronchopulmonary changes are noted.

The mediastinal lymph nodes present within normal limits.

No significant cardiovascular pathology can be seen.

Note the presence of multiple mild to moderate spondyloses within the cranial lumbar spine.

Patient's body condition score appears to be mildly excessive.

Mild bilateral shoulder osteoarthritis is noted.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Mild bilaterally symmetric pleural effusion with partial pulmonary collapse.
- No evidence of structural bronchopulmonary, mediastinal, or cardiovascular changes.
- Spondyloses.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study did not reveal structural bronchopulmonary or mediastinal pathology. The "negative" CT findings do support the potential of idiopathic chylothorax. Underlying cardiovascular pathology has been ruled out by a cardiac echo. The CT findings require correlation with the results of the pleural fluid analysis as well as of the cardiac echo.



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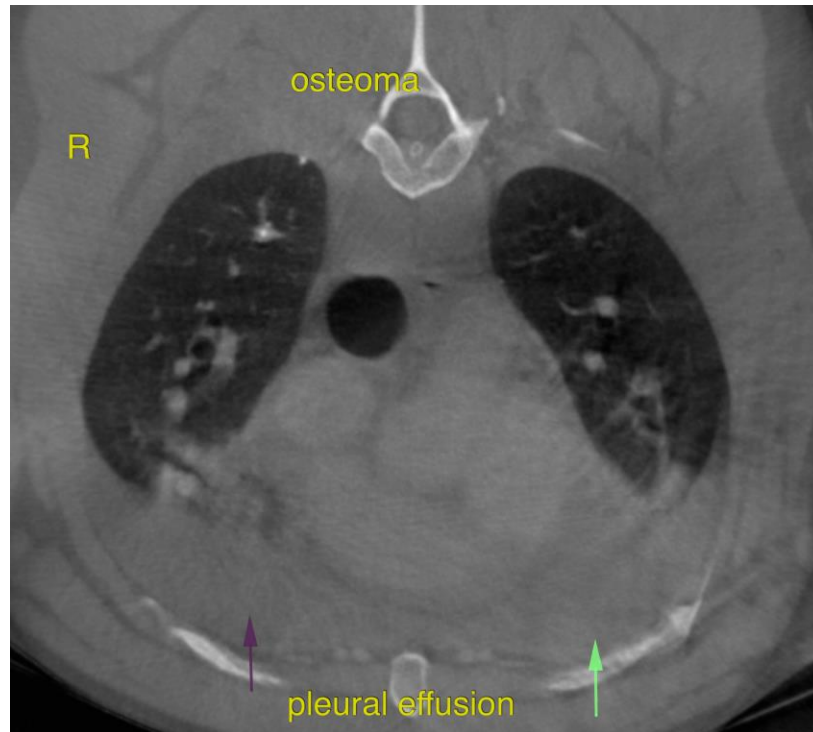
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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

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