



PATIENT PRESENTING CLINICAL SIGNS

Rhonda Gilgen Treated 8/2 for possible kennel cough. Presented 8/3 evening for increase RR and diagnosed with left sided pneumothorax on radiographs. R/O trauma, ruptured bulla, pneumonia, neoplasia

SPECIES COMPUTED TOMOGRAPHY OF THE THORAX

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

COMPUTED TOMOGRAPHIC FINDINGS

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

Hound A moderate amount of free gas is seen within the pleural cavity. The lung lobes are retracted from the thoracic wall. Multiple roundish lesion with trapped gas are seen in the craniomedial aspect of the pleural cavity – demarcated by a thin soft tissue capsule.

SEX In the caudodorsal aspect of the right caudal lung lobe, the accessory lung lobe and cranioventral aspect of the cranial part of the left cranial lung lobe, regions of peribronchial consolidation of the lung parenchyma are appreciated.

Female

AGE 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.

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

INTERPRETED BY 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.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The lung parenchyma presents the expected architecture and attenuation behavior.

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

Mountain West
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COMPUTED TOMOGRAPHIC DIAGNOSIS

- History of spontaneous pneumothorax
- Multiple roundish lesions with trapped gas cranioventral aspects of the pleural cavity
- Multiple regions of peribronchial consolidation of the lung parenchyma

REFERRING VET

Dr. Eric Clough

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INVOICE The findings of the CT study are unfortunately not specific. The roundish gas containing lesions in the ventral aspect of the pleural cavity can present regions of trapped gas between the pleural folds and the lung which I consider most likely here, however large pulmonary blebs are a potential as well. The regions of peribronchial pulmonary consolidation can present regions of pneumonia – rule out underlying lung worm infection. Theoretically a ruptured bulla/bleb is a consideration for the lesion of the right caudal and left cranial lung lobe.

53266

DATE

8-4-22

At this point I would recommend conservative management including workup for potential infectious agents (e.g. lung worm infection). If the spontaneous pneumothorax does not resolve under conservative therapy and repeated aspirations of the pneumothorax are required either an



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autologous blood patch or surgery may be used as therapy (surgical intervention is indicated in cases of repeated air accumulation within a 5-day period). As the location of leakage from the airways cannot be clearly specified in the current CT study, a sternal approach to the pleural cavity may be beneficial. However, if a lateral approach is preferred, I would recommend a right lateral approach due to the pulmonary changes suggestive for rupture bulla.

SPECIES

Canine

BREED

Hound

SEX

Female

AGE

1 Year

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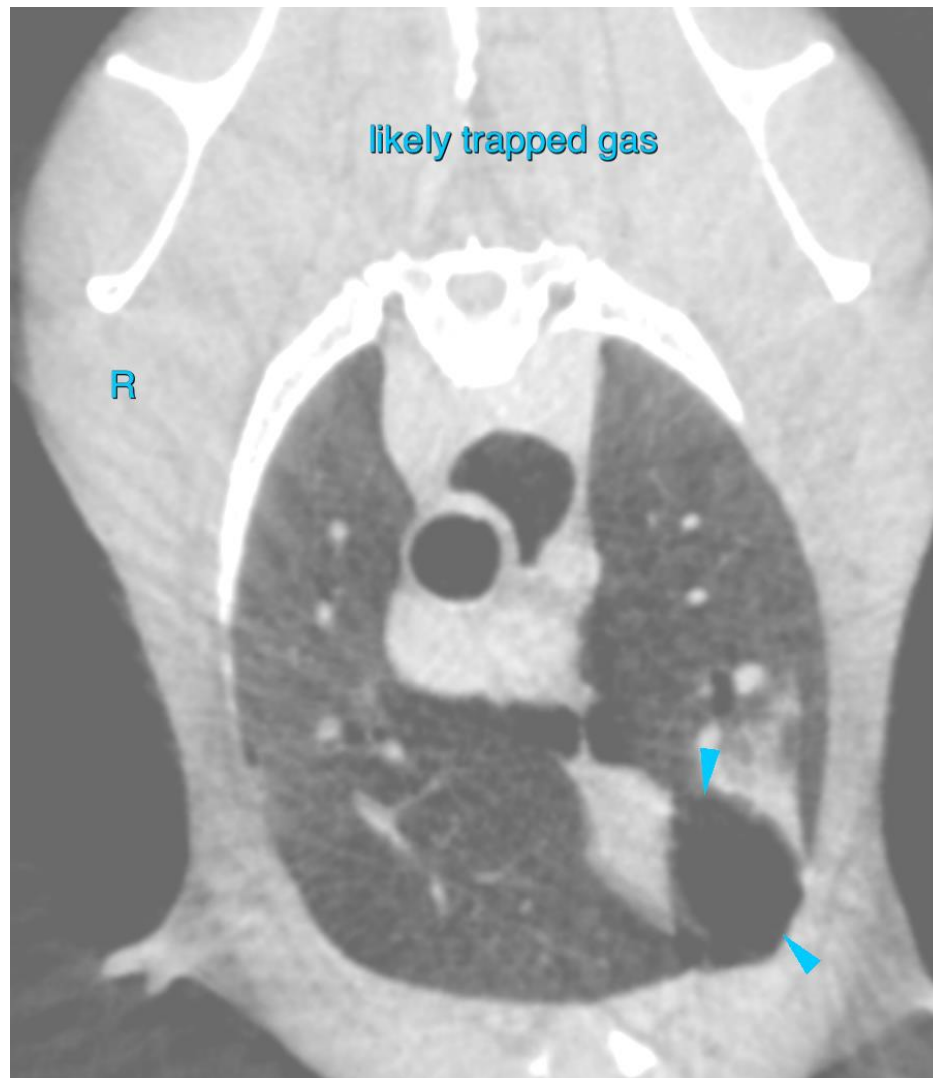
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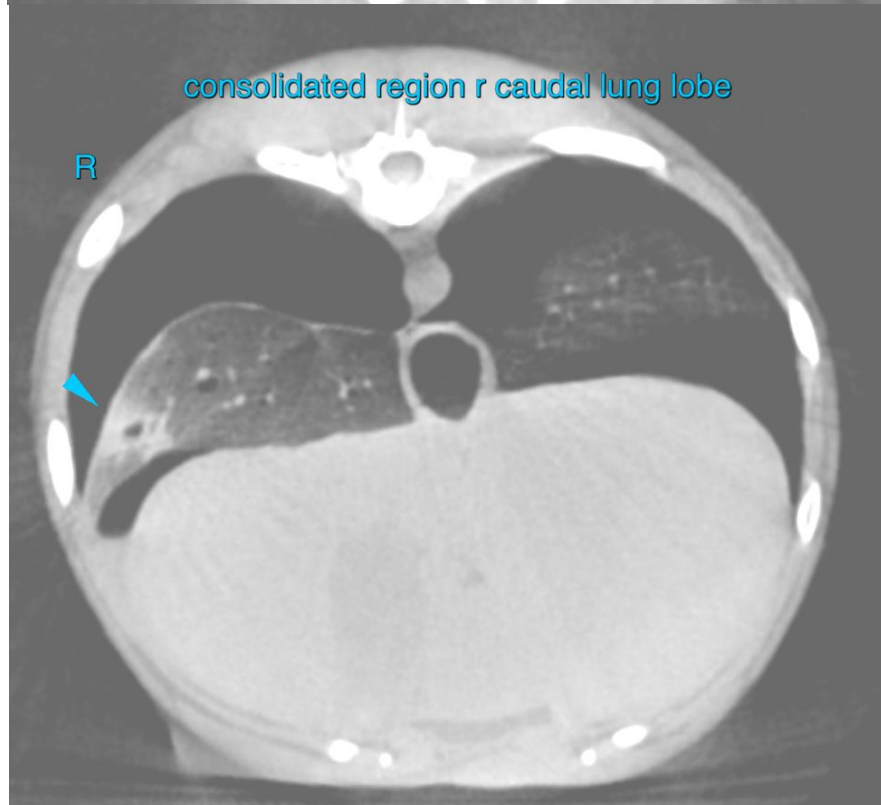
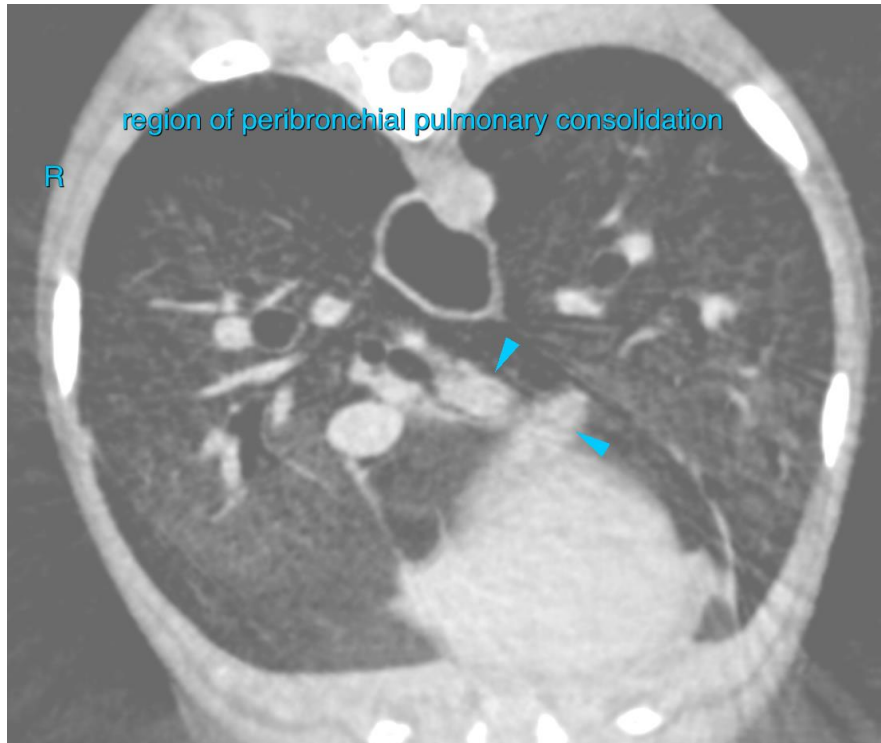
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SPECIES

Canine

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.

BREED

Hound

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
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SEX

Female

AGE

1 Year

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