



PATIENT PRESENTING CLINICAL SIGNS

Avah Dykes ill thrift/lethargic puppy recurrent UTI (culture pending) - persistent cough despite course amoxiclav/doxycycline
 Abnormal PE/Chem/CBC/UA Results: marked neutrophilia - smear from et tube purulent material
SPECIES neutrophils ++

Canine COMPUTED TOMOGRAPHY OF THE THORAX

A high resolution pre- and post-contrast CT study of the thorax in a bone, lung and soft tissue reconstruction is provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

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

SEX The thymus is age related visible in the cranial mediastinum.

FE 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.

AGE The cardiovascular structures including the pulmonary vasculature are within normal limits. A physiological left aortic arch is noted. The esophagus is not dilated.

17 Weeks The ventral aspects of the right cranial & middle lung lobe and the accessory lung lobe are consolidated with air-bronchograms and maintained volume. The right cranial & middle lung lobe and the accessory lung lobe present thickened bronchial walls and some bronchial segments contain post contrast hypoattenuating material. The parenchyma of the right middle and accessory lung lobe is mild hyperinflated in the dorsal aspects.

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

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

HOSPITAL NAME COMPUTED TOMOGRAPHIC DIAGNOSIS

Advanced Veterinary
 Imaging

- Ventrally distributed alveolar lung pattern, predominant right lung lobes with segmental bronchial plugging
- Zones with mild hyperinflation of the lung - in the pulmonary segments with bronchial plugging

REFERRING VET

Eamon

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The pulmonary changes in combination with the history are compatible with pneumonia and exudate in multiple bronchial segments with bronchial plugging. The zones with mild hyperinflation fo the lung parenchyma are considered as a sequela to the obliterated bronchial segments. An underlying cause for the pneumonia cannot be specified. Primary ciliary dyskinesia has been reported in old English sheepdogs and would be a potential here. Recommend genetic testing for CCDC39 gene ± nasal mucosal biopsy.

DATE

4-28-23



PATIENT

Avah Dykes

SPECIES

Canine

BREED

Border Collie

SEX

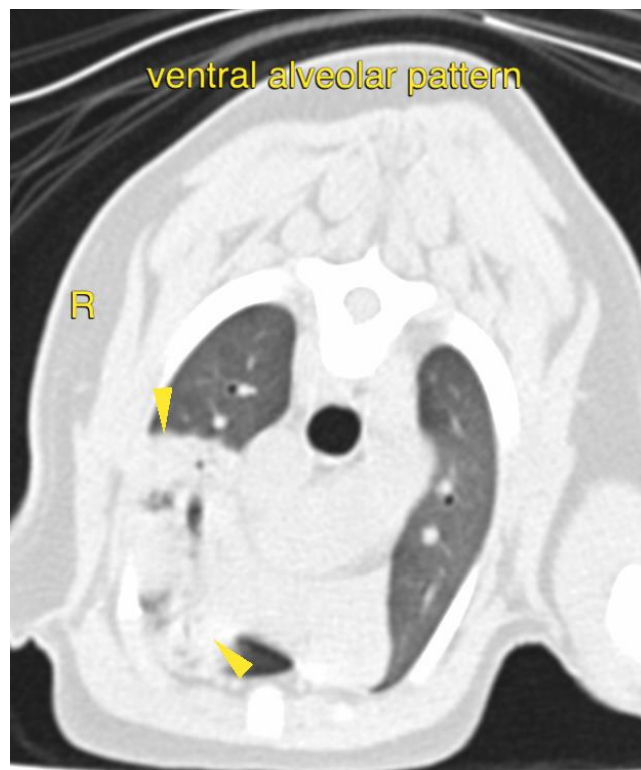
FE

AGE

17 Weeks

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ventral alveolar pattern

R

HOSPITAL NAME

Advanced Veterinary
Imaging

REFERRING VET

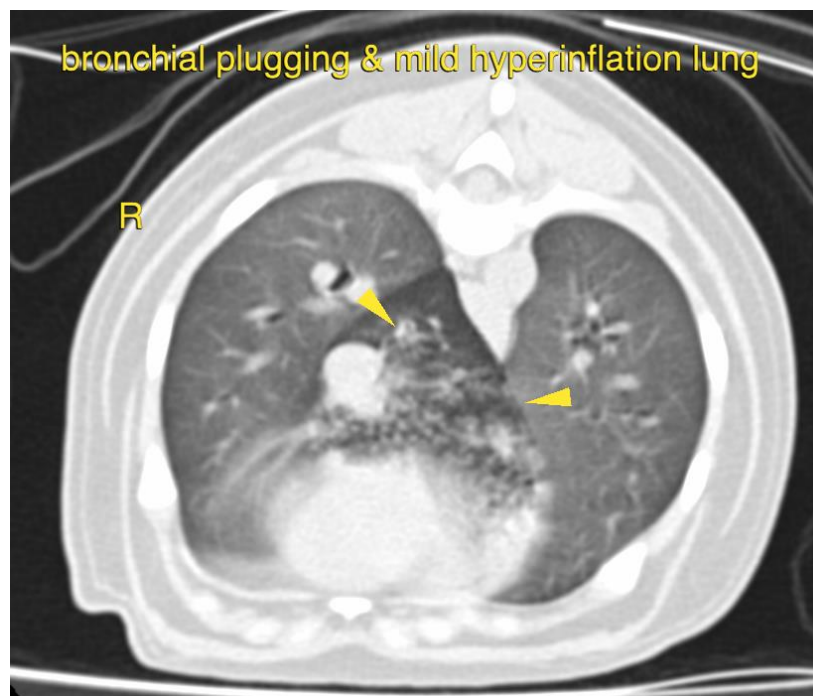
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bronchial plugging & mild hyperinflation lung

R



PATIENT

Avah Dykes

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.

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.

BREED

Border Collie

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SEX

FE

AGE

17 Weeks

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