

PATIENT

Charlie Tsang

PRESENTING CLINICAL SIGNS

Hind limb weakness starting approximately one week ago, progressing to forelimb weakness. Pyrexia and hypoglycemia developed in the last 24 hours. Concern for IMPA, but also concerning fluid filled structure seen on point of care thoracic ultrasound.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

A pre- and post-contrast CT study of the thorax and abdomen in a soft tissue, bone and lung recon are provided for review.

BREED

Bernese Mountain Dog

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

A mild intracapsular swelling of the left shoulder joint is noted. Small punctuate mineralizations of the tendon of the supraspinatus muscle bilaterally are visible. The subcutaneous fat along the ventral aspect of the thoracic wall presents mild fat stranding. The axillary lymph nodes bilaterally are prominent.

SEX

Female

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

8

The cardiovascular structures including the pulmonary vasculature are within normal limits. The bronchial walls are mild to moderately thickened.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

In the ventral dependent aspect of the right middle lung lobe a consolidated region with maintained to increased volume is visible with interspersed air bronchograms; the margins of the ventral tip of the right middle lung lobe are rounded. The left lung lobes present a reduced volume and regions of dystelectasis.

HOSPITAL NAME

Animal Health Partners

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

Abdomen

REFERRING VET

Dr. Shannon Westgarth

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.

INVOICE

The adrenal glands are within normal limits for size, shape and organ architecture.

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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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At the visceral surface of the caudal extremity of the spleen, two small (<5 mm), well-defined nodular structures are visible, presenting the same attenuation and contrast enhancement pattern like the spleen.



PATIENT A mild amount of slightly hyperattenuating material is attached to the gallbladder wall.

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

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

Canine

BREED

The vertebral endplates of the lumbosacral junction present moderate to marked spondylosis formation. The lumbosacral intervertebral disc is moderately protruding into the vertebral canal, occupying approximately 50% of the cross-sectional area of the vertebral canal at the same level. A mild step formation is seen between L7 and S1.

Bernese Mountain Dog

The included parts of the stifle joints show evidence of intracapsular swelling.

A region of subcutaneous steatitis is seen in the right flank.

SEX

Female

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Consolidated region ventral aspect of right middle lung lobe with rounding of the margins
- Mild bronchial lung pattern
- Articular swelling left shoulder joint and possibly stifle joints bilaterally
- Lymphadenopathy axillary lymph nodes
- Degenerative lumbosacral stenosis with moderate spondylosis formation
- Mild edema along the thoracic wall
- Biliary sludge without evidence of obstruction
- Suspect two splenunculi medial to caudal extremity of the spleen
- Calcifying tendinopathy supraspinatus muscle bilaterally

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The potential joint effusion of multiple joints would support the diagnosis of immune mediated polyarthritis – a synovial tap is warranted to confirm the diagnosis.

The prominent axillary lymph nodes can present secondary reactive hyperplasia. The subcutaneous edema might be secondary inflammatory or due to vasculitis or hypalbuminemia. Consider ultrasound guided FNA sampling of the axillary lymph nodes for further workup.

REFERRING VET

Dr. Shannon Westgarth

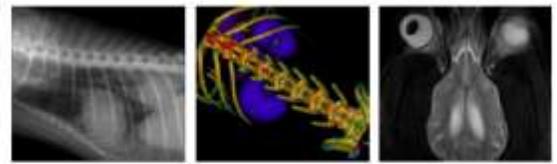
The changes of the right middle lung lobe in combination with the bronchial pattern are suggestive for chronic inflammatory lower airway disease and both allergic/eosinophilic bronchopneumopathy as well as infectious causes (bacterial, viral, parasitic) need to be considered with potential granuloma formation or hepatization of the lung. However, as there is focal rounding a pulmonary neoplastic mass is a potential – recommend ultrasound guided FNA sampling by the 5th right intercostal space for further differentiation. Polyarthritis can be a rare sequela to primary neoplasia.

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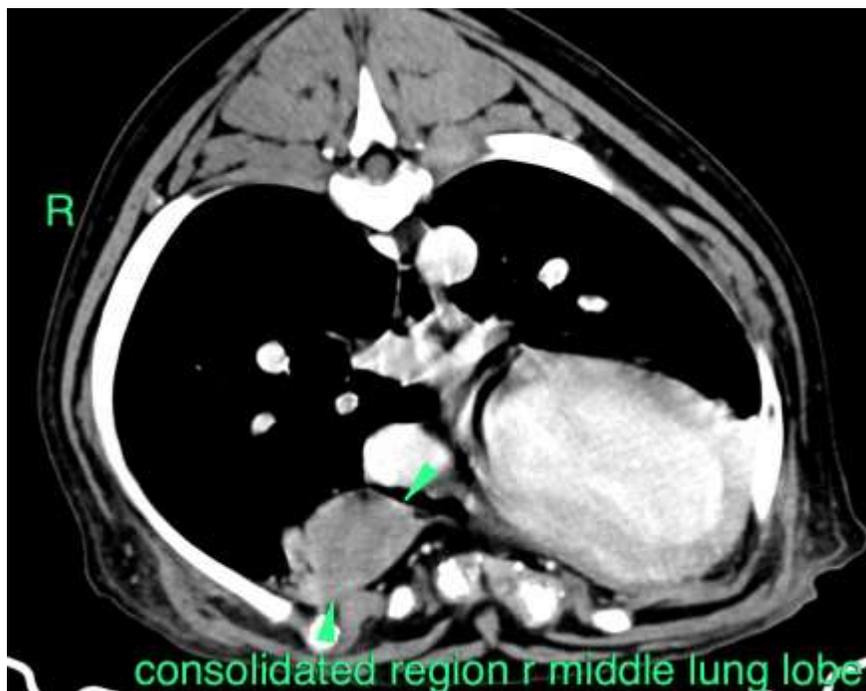
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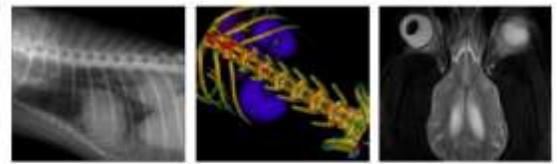
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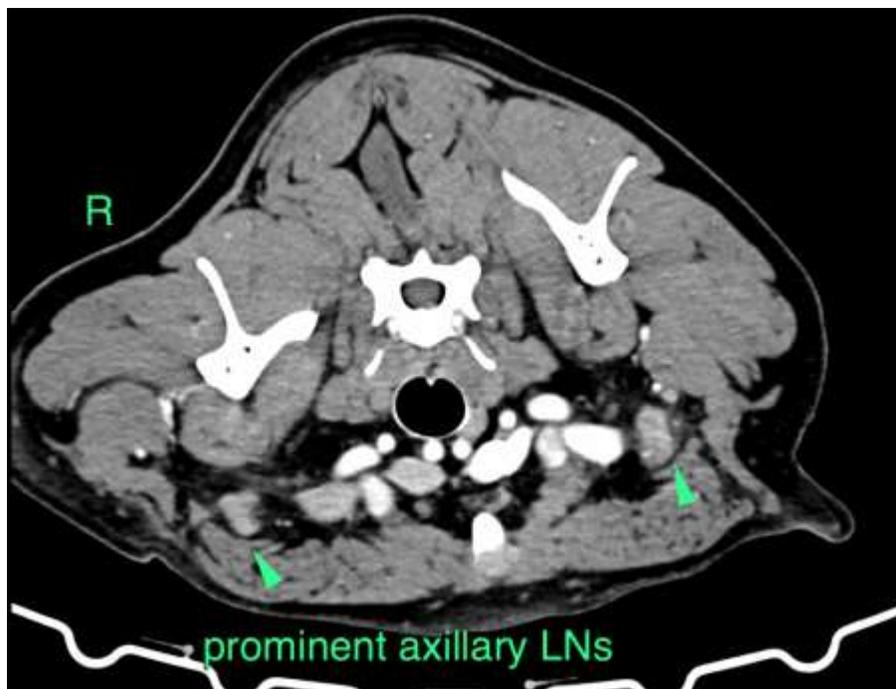
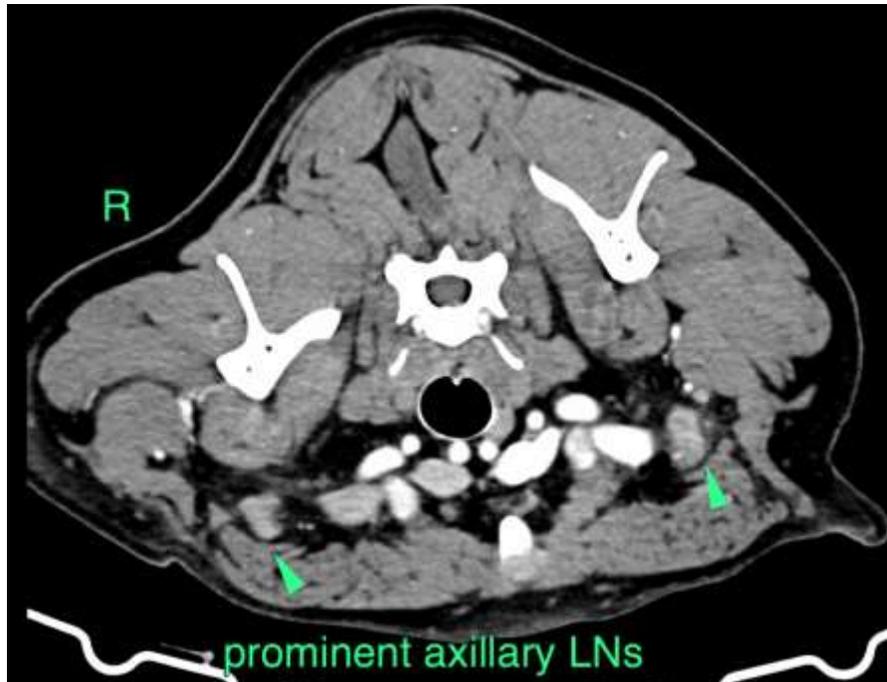
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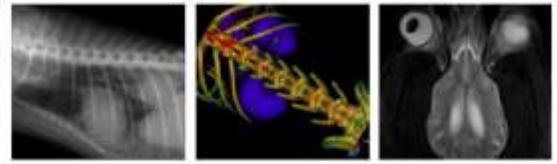
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

SPECIES

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