



**PATIENT PRESENTING CLINICAL SIGNS**

Caesar Wong referral for mediastinal mass - presented for lethargy and inappetence  
 Abnormal PE/Chem/CBC/UA Results: marked elevation in WBC SDMA 20 (normal < 14)  
 alkp/alt/ggt elevated (on pred from referring vet)

**SPECIES COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Staffy Thorax

The tendon of the left supraspinatus muscle presents with moderate granular mineralization.

**SEX** In the pleural cavity, a small amount gravity, dependent, non-contrast enhancing soft tissue attenuating material is present. Pleural fissure lines are appreciated. The lung lobes are retracted from the thoracic wall. Multiple regions with dystelectasis of the lung parenchyma are visible.

MN

**AGE** In the cranioventral aspect of the mediastinum, a multinodular heterogeneous soft tissue attenuating mass with mild amorphous mineralization is visible, measuring 5.5 x 3.5 x 4.5 cm in size. Post contrast administration, the cranioventral mediastinal mass is has a heterogeneous contrast enhancement pattern. The mediastinal fat level with the mass presents mild fat-stranding.

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**INTERPRETED BY**

Sebastian Schaub, DVM  
 Dr. med. vet. DipECVDI

The sternal 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.

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

**HOSPITAL NAME**

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

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Abdomen

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

**REFERRING VET**

Eamon

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.

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

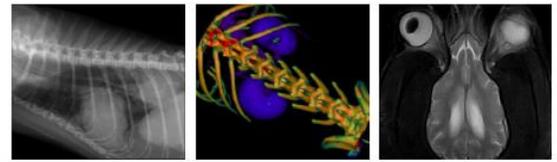
The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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8-26-22

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

The vertebral endplates of lumbosacral junction present moderate spondylosis formation.



**PATIENT**                      **COMPUTED TOMOGRAPHIC DIAGNOSIS**

Caesar Wong

- Cranioventral mediastinal soft tissue mass with mild dystrophic mineralization
- Mild pleural effusion
- Spondylosis deformans lumbosacral junction
- No evidence of pulmonary metastatic disease
- Calcifying tendinopathy left supraspinatus tendon
- Normal abdomen

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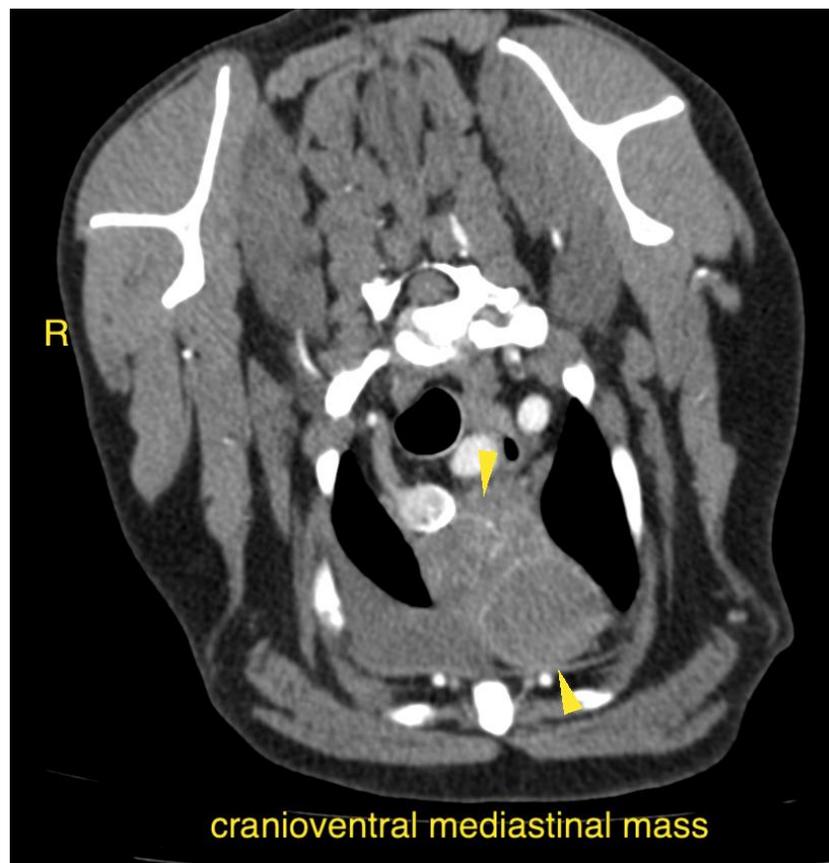
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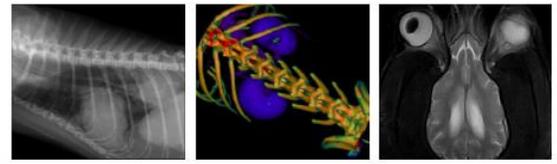
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The findings are fitting the history of a cranioventral mediastinal mass with dystrophic mineralization and secondary mild pleural effusion and mediastinal effusion. Differentials include thymoma, thymic sarcoma/carcinoma, ectopic thyroid carcinoma or round cell tumor. Ultrasound guided FNA sampling can be used as advanced minimally invasive diagnostic tool. The cranioventral mediastinal mass presents no evidence of vascular invasion and surgical excision appears feasible.





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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.

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