



**PATIENT PRESENTING CLINICAL SIGNS**

Oscar Hiers History: Suspected heart-based mass

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX**

**SPECIES**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**

Bulldog Mix The intervertebral disc space C6/C7 is moderately narrowed and the respective vertebral endplates present moderate spondylosis formation.  
The mediastinum is moderately widened by fat.

**SEX**

Neutered Male 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**

12

At the medial aspect of the aortic arch, an irregular roundish, uniform soft tissue attenuating and mild irregular contrast enhancing mass is appreciated, measuring 4.6 x 7.1 x 7.0 cm in size. The trachea at the same level is deviated to the right and mildly dorsally by the mass effect.

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
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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.

The caudodorsal aspects of the lung parenchyma present regions with dystelectasis. The remainder of the lung parenchyma present the expected architecture and attenuation behavior.

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

In the pictured parts of the abdomen, a globoid splenic soft tissue mass is appreciate, measuring 7.9 cm in size.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**REFERRING VET**

Dr. Manuel Pepen

- Heart base mass
- Splenic soft tissue mass
- Chronic discopathy C6/C7
- No evidence of pulmonary metastatic disease

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study is confirming the diagnosis of a heart base mass and paraganglioma (chemodectoma) is the top differential. Commonly these tumors are slow growing but can cause pericardial effusion.

**DATE**

12/5/22



**PATIENT** Oscar Hiers  
 The splenic mass is suggestive for primary splenic neoplasm (e.g. round cell tumor, hemangiosarcoma) or nodular hyperplasia. Splenectomy is considered as the therapy of choice, as both benign and malignant masses can rupture and cause abdominal hemorrhage.

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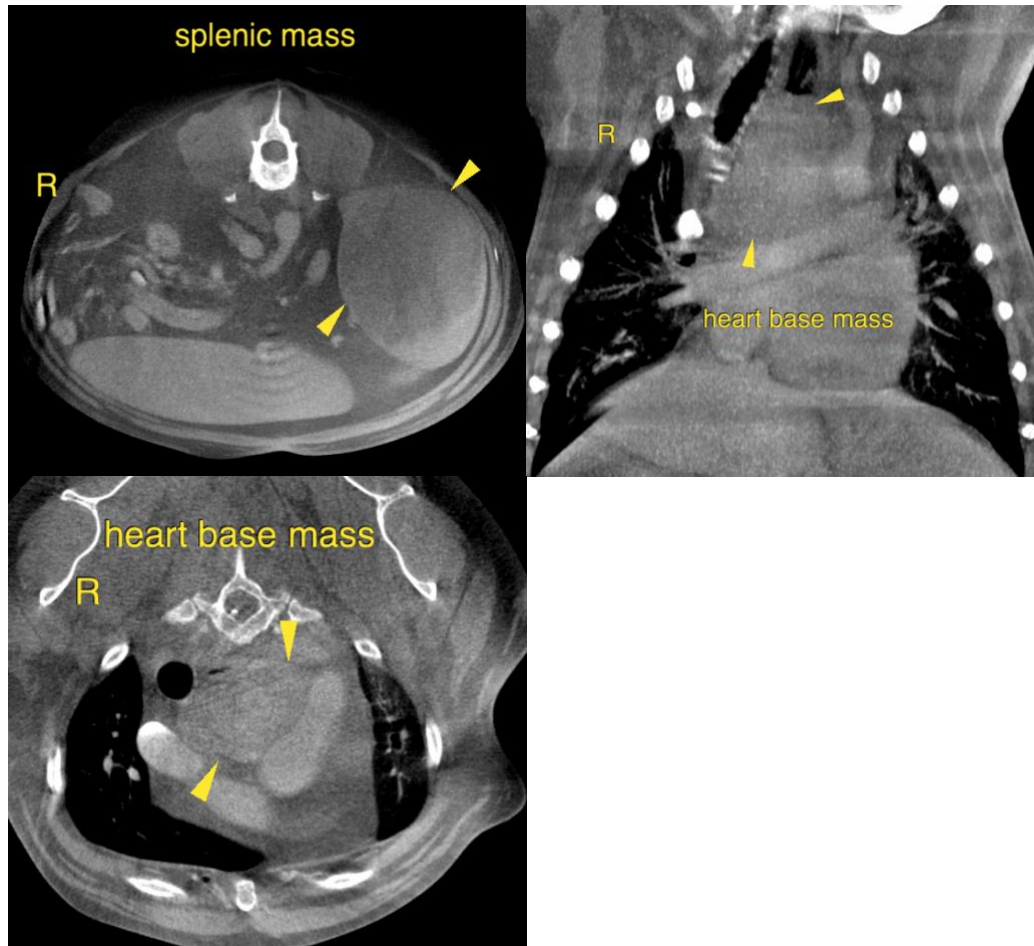
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**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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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