



**PATIENT PRESENTING CLINICAL SIGNS**

Charlie Diamond History: ABD U/S on 2/17/23: LEFT ADRENAL GLAND: The left adrenal gland is enlarged at the cranial pole, and measures 17.7mm in diameter. It appears mildly mottled with no evidence of calcification. ACTH 2/21 : Cortisol - Pre ACTH 5.7 Cortisol - Post ACTH 40.9 CT performed to R/O METS vs NEOPLASIA vs other

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX AND ABDOMEN**

**BREED**

Cavachon

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

**Thorax**

Neutered Male

The vertebral endplates along the thoracolumbar junction present moderate spondylosis formation. Level with the intervertebral disc space T12/T13, mineral attenuating disc material is bulging into the vertebral canal, occupying approximately 50% of the cross-sectional area of the vertebral canal at the same level. The dural tube level T12/T13 is deviated dorsally and distorted.

**AGE**

14 Years

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.

**INTERPRETED BY**

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

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

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.

**HOSPITAL NAME**

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A part of the liver is protruding cranially through the diaphragm, at the left lateral aspect of the caudal vena cava. Adjacent to the hepatic segment being appreciated to the diaphragm a well-defined ovoidal shaped, uniform soft tissue attenuating and heterogeneous contrast enhancing mass is seen, measuring 6.3 x 5.3 x 5.5 cm in size. Vessels appear to extend from the liver into the appreciated mass. The right middle and caudal lung lobe are distorted by the mass.

**REFERRING VET**

Dr. Garcia

Multifocal throughout the hepatic parenchyma, well-defined soft tissue attenuating nodules, measuring 3.3 mm in diameter are seen.

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

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**Abdomen**

**DATE**

2/24/23



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

Charlie Diamond

**SPECIES** Both kidneys present irregular margins and multiple well-defined, roundish filling defects are seen throughout the renal parenchyma bilaterally. Post contrast administration, the kidneys have a heterogeneous contrast enhancement pattern.

Canine

Originating from the cranial pole of the left adrenal gland, a uniform soft tissue attenuating and heterogeneous contrast enhancing spherical mass is seen, measuring 2.0 cm in diameter. Mild peripheral mineralization of the left adrenal mass is seen.

**BREED** The right adrenal gland is normal in size and shape.

Cavachon

The hepatic volume is increased and the liver is protruding caudally beyond the costal arch; the caudoventral hepatic margins are rounded. The intraabdominal aspects of the liver present a uniform attenuation and contrast enhancement pattern.

**SEX**

Neutered Male

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

**AGE**

14 Years

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

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

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
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In the subcutaneous tissue at the left cranioventral abdominal wall, a well-defined spindle shaped lipoma is seen.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

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- Suspect small diaphragmatic defect with herniation of small part of the liver into the right caudal hemithorax and associated hepatic mass
- Hepatomegaly
- Left adrenal mass
- Structured nodular interstitial lung pattern
- Chronic nephropathy with renal cysts
- Intervertebral disc protrusion T12/T13 with compressive myelopathy
- Subcutaneous lipoma left cranioventral abdominal wall
- Spondylosis deformans

**REFERRING VET**

Dr. Garcia

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The right intrathoracic mass is highly suggestive for a primary hepatic mass, as a small part of the liver is seen cranial to the level of the diaphragm and the mass appears to originate from the small herniate part of the liver – hepatocellular adenoma or carcinoma is likely. The odds for primary

**DATE**

2/24/23



**PATIENT** pulmonary neoplasm are considered low. FNA sampling of the intrathoracic mass will help to confirm the diagnosis and ruling out pulmonary origin entirely.

Charlie Diamond

The left adrenal mass is fitting the history, primary (non)functional left adrenal neoplasia (e.g. adenocarcinoma, pheochromocytoma, adenoma) or metastasis are the differentials here. The left adrenal mass presents no signs for vascular invasion.

**SPECIES**

Canine The structured nodular lung pattern concerning for pulmonary metastatic disease.

**BREED**

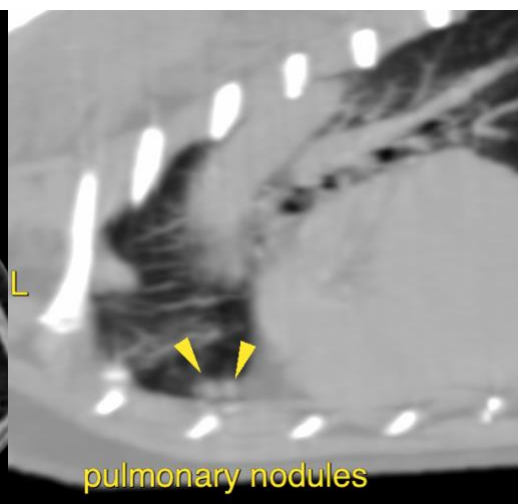
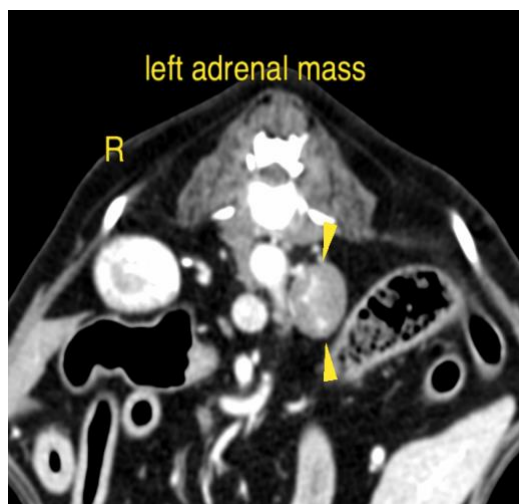
Cavachon

**SEX**

Neutered Male

**AGE**

14 Years



**INTERPRETED BY**

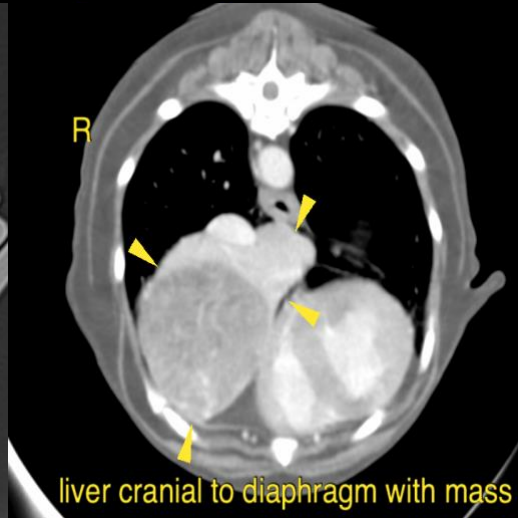
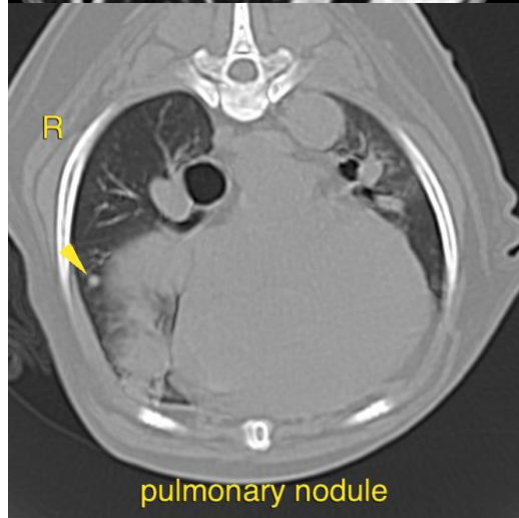
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if

**DATE**

2/24/23



**PATIENT** I can be of any further assistance please contact me.

Charlie Diamond

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