



PATIENT

Dolly Karanasios

PRESENTING CLINICAL SIGNS

suspect left adrenal and hyperadrenocorticism

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the thorax and cranial abdomen are provided for review. The patient is in right lateral recumbency.

BREED

Pitbull

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

A significant amount of subcutaneous and mediastinal fat is seen. The mediastinal fat causes moderate to marked widening of the mediastinum.

SEX

FS

The volume of the right lung lobes is generalized moderately to markedly decreased and there is compression atelectasis of the right lung lobes visible with multiple air-bronchograms. The left lung lobes present mild to moderate dystelectasis.

AGE

8 Years

Multifocal mild spondylosis formation is seen along the thoracic spine.

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

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

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

HOSPITAL NAME

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Cranial abdomen

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

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Animal Hospital

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.

Originating from the cranial pole of the left adrenal gland, a well-defined soft tissue attenuating nodular lesion measuring 2.8 cm in diameter is visible and presenting peripheral mild mineralization. Post contrast administration the left adrenal mass is heterogeneous mild contrast enhancing.

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The right adrenal gland is small, presenting with a maximum cross-sectional diameter of 3.4 mm.

DATE

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



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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Left adrenal mass with dystrophic mineralization
- Hypoplasia of right adrenal gland
- Significant dystelectasis of the lung parenchyma
- Spondylosis deformans thoracic spine

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

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The left adrenal mass is compatible with (non)functional left adrenal neoplasia such as adenoma, adenocarcinoma or pheochromocytoma. There is no evidence of vascular invasion. The small right adrenal gland is increasing the odds for functional adrenal adenoma/adenocarcinoma – correlate with the laboratory findings. Complete surgical excision of the left adrenal mass is feasible.

SEX

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There is no evidence of pulmonary metastatic disease, but the consolidation of the lung parenchyma may efface small parenchymal pulmonary nodules.

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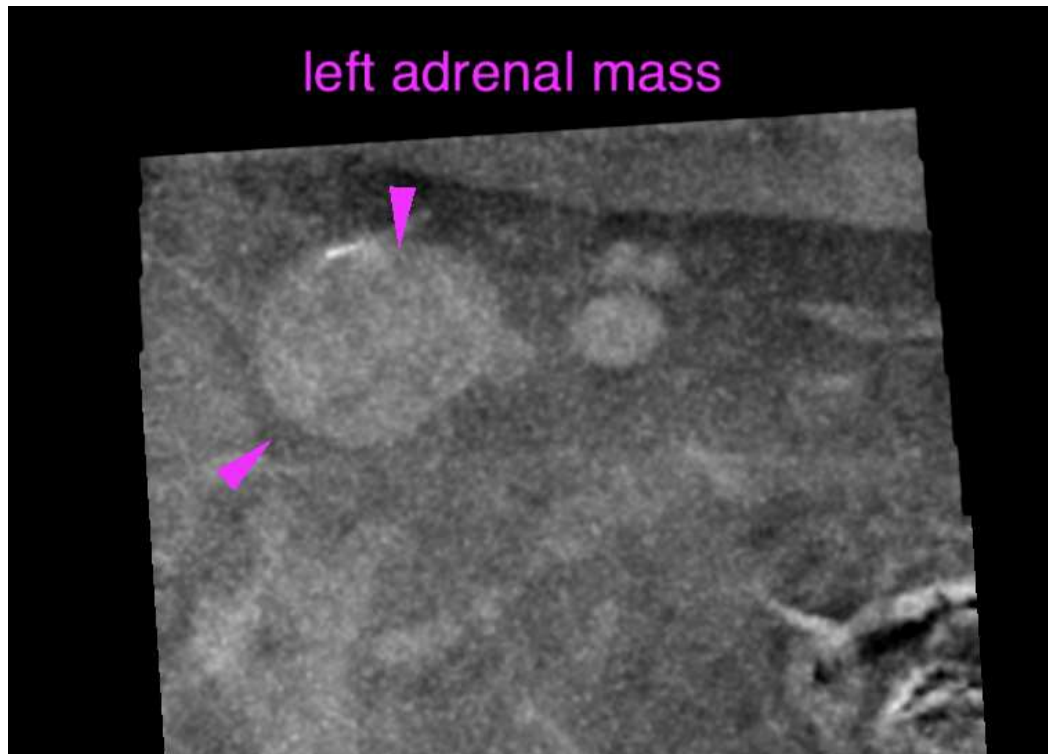
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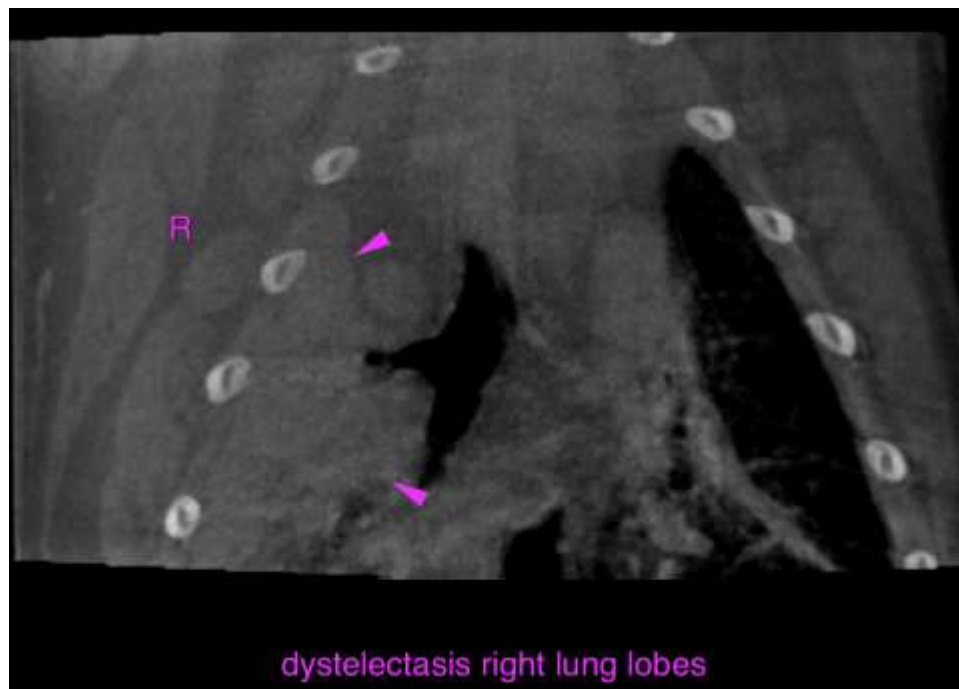
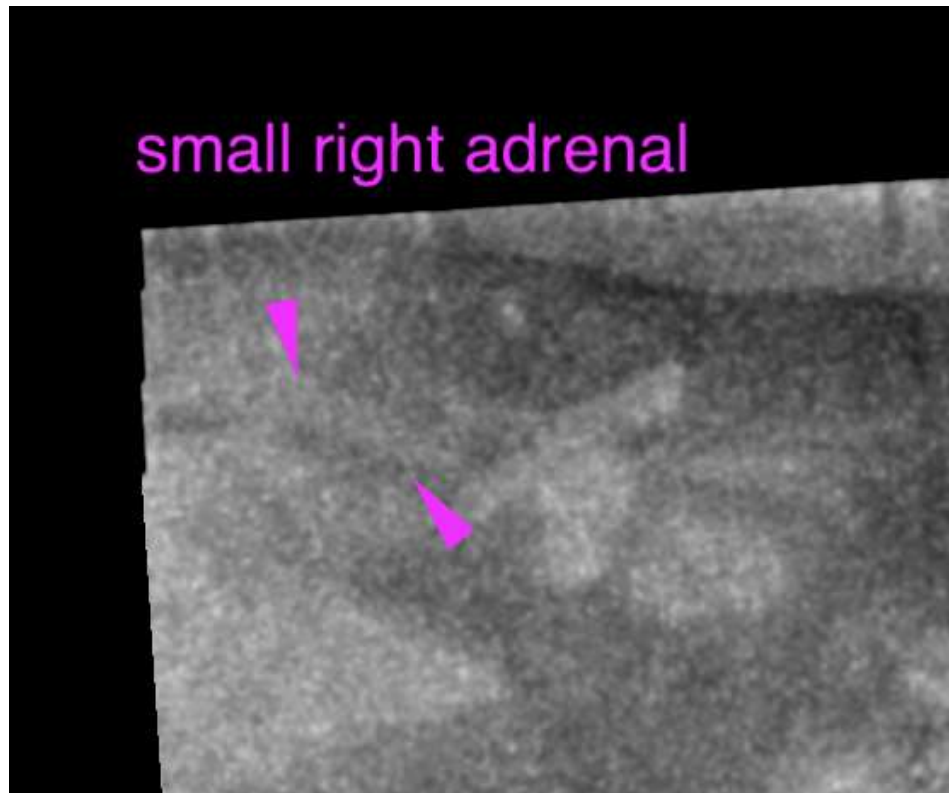
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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