



**PATIENT PRESENTING CLINICAL SIGNS**

Lulu Bufardeci Presented for cluster seizures. On routine lab work noted to be anemic [hematocrit 17].

**COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

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

Canine

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED** Thorax

The bony and surrounding soft tissue structures are within normal limits.

Multi-poo

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.

**SEX**

FS

The cardiovascular structures including the pulmonary vasculature are within normal limits. In the plica of the caudal vena cava, a soft tissue nodule is appreciated, measuring 4 mm in diameter.

**AGE**

8 Years

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 lung parenchyma presents the expected architecture and attenuation behavior.

**INTERPRETED BY**

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

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

Abdomen

A small volume of fluid attenuating material is appreciated in the peritoneal cavity. Multifocal throughout the peritoneal fat – accentuated in the left abdomen and ventral to the urinary bladder – variable sized, partially confluent, soft tissue attenuating and moderate contrast enhancing nodules are visible.

**HOSPITAL NAME**

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Both kidneys have irregular margins with multiple concave depressions of the renal surface. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

**REFERRING VET**

Dr. Greg Kilburn

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

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

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

The gastric wall, in the left dorsal aspect of the fundus presents two zones with focal mild thickening of the wall, measuring up to 3.7 mm in width. The duodenal wall is irregularly thickened, measuring up to 7.5 mm in width. The cecum is prominent with a thickened wall, measuring up to 9 mm in width.

**DATE**

7-11-23

The bony and surrounding soft tissue structures reveal no abnormalities.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Multifocal peritoneal soft tissue nodules & peritoneal effusion



- PATIENT**  
Lulu Bufardecì
- Generalized thickened wall of the cecum
  - Focal thickening of the gastric wall and segmental mural thickening of the duodenal wall
  - Soft tissue nodule in the plica of the intrathoracic segment of the caudal vena cava
  - Chronic nephropathy
  - No evidence of pulmonary metastatic disease

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The abdominal changes are highly suggestive for metastasized neoplastic disease and carcinomatosis (e.g. adenocarcinoma of the cecum), round cell tumor, mesothelioma are considered most likely here. Ultrasound can be used to confirm the mural changes of the cecum, increasing the odds for primary neoplasia originating from the cecum. A differential can be granulomatous inflammation, e.g. secondary to parasitic infection (e.g. Mesocestoides) or less likely mycotic disease.

**BREED**

Multi-poo

**SEX**

FS

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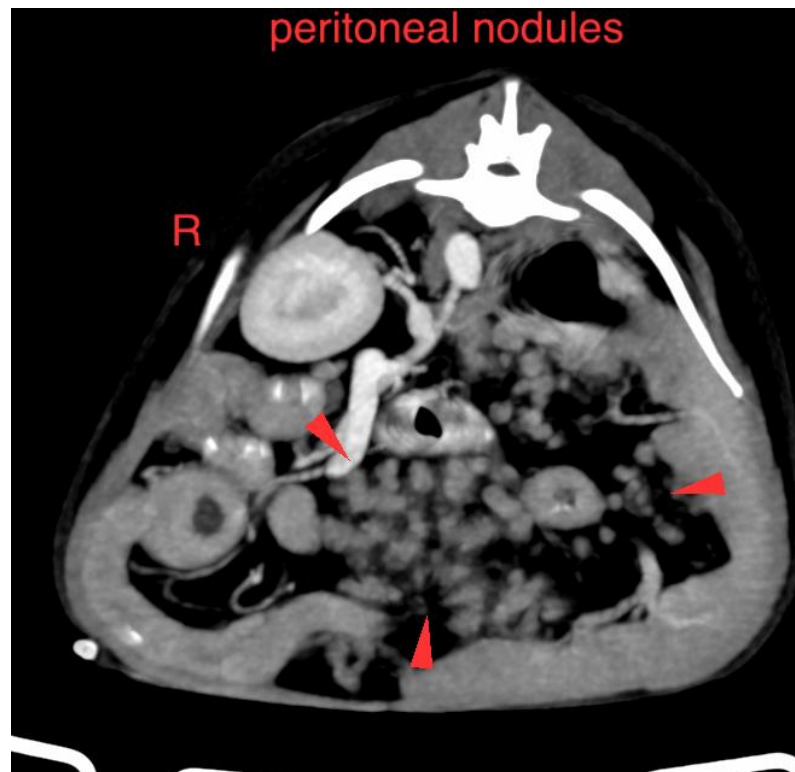
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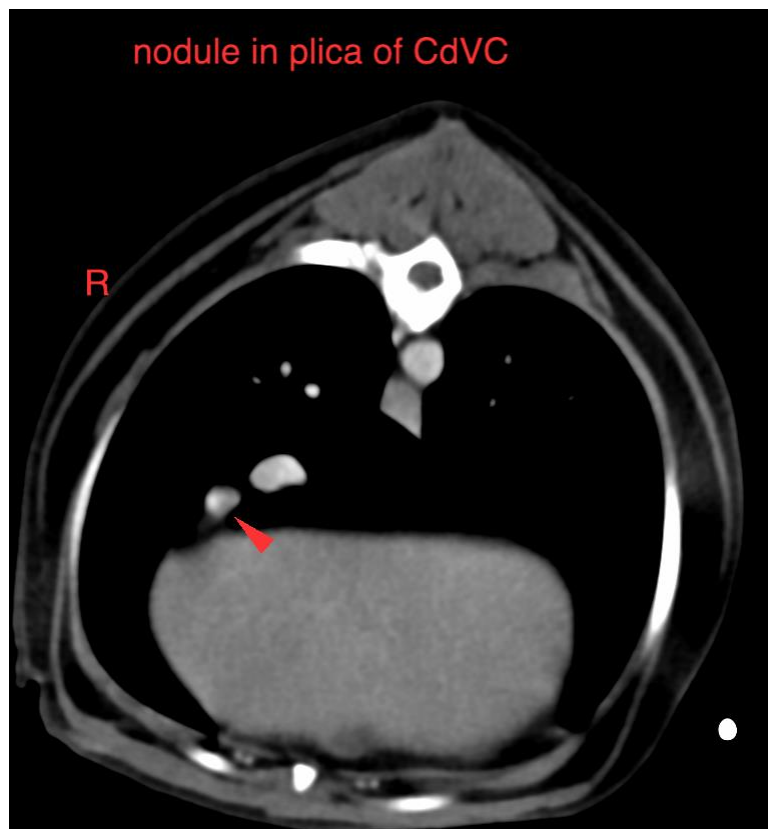
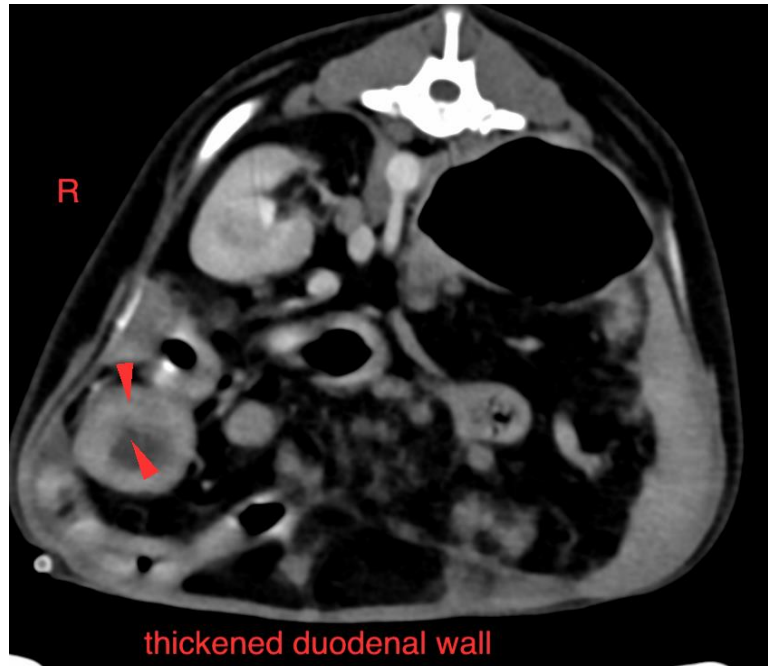
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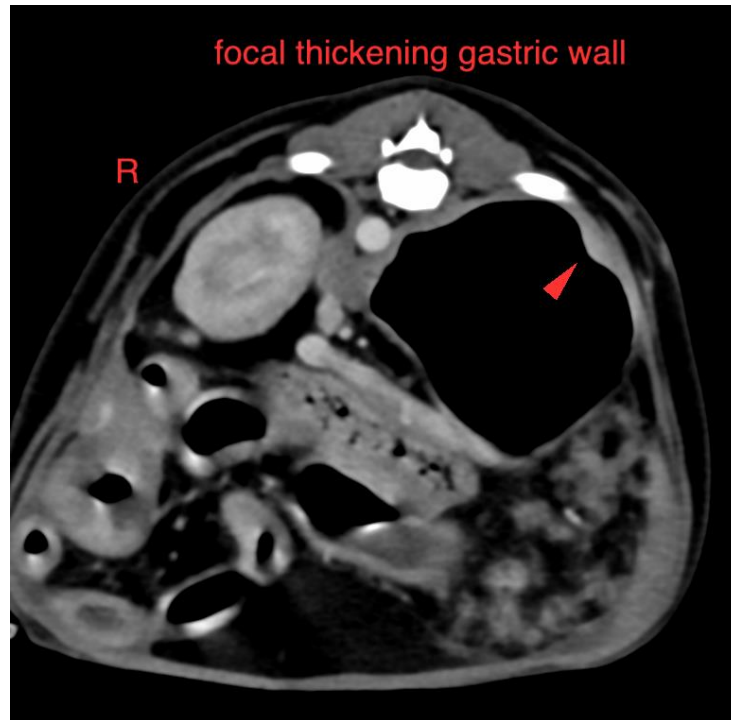
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**HOSPITAL NAME**

Animal Health  
Partners

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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