



PATIENT

Chaco Couture

PRESENTING CLINICAL SIGNS

3-4 weeks of inappetance, intermittent vomiting, diarrhea, lack of stool production.
 Abnormal PE/Chem/CBC/UA Results: Elevated neutrophils, elevated globulin, hypokalemia.
 Everything else normal.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the abdomen and a plain CT study of the thorax are provided for review.

BREED

Black and Tan
 Coonhound

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

The periarticular bones of both elbow joints present mild osteophyte new bone formation. The tip of the medial coronoid process of the right elbow joint is demarcated by a fissure line; the tip of the medial coronoid process of the left elbow joint presents with a generalized decreased density.

SEX

MN

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

7 Years

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

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.

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

Level with the 3rd left intercostal space, in the ventrolateral aspect of the left cranial lung lobe, a well-defined, soft tissue attenuating nodule is appreciated. The remainder of the lung parenchyma present the expected architecture and attenuation behavior with interspersed punctuate mineralization.

HOSPITAL NAME

Animal Health Care
 Denver

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

Abdomen

REFERRING VET

Cathryn Sayer

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

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.

INVOICE

53771

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

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

DATE

8-26-22

Post contrast administration, the hepatic parenchyma presents a heterogeneous contrast enhancement pattern with multiple, variable sized peripheral contrast enhancing and central mild hypoattenuating nodular lesion, measuring up to 36 mm in size.

The gallbladder contains a small amount of sedimented mineral attenuating material.



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The left hepatic lymph node is prominent and presents a heterogeneous contrast enhancement pattern.

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

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The gastric wall of the pyloric antrum is prominent, measuring up to 8 mm in width, the wall layering is maintained.

The descending colon presents an eccentric intramural, heterogeneous contrast enhancing mass, measuring approximately 3.5 x 4.3 x 4.5 cm in size; the wall layering of the colon is lost level with the mass. The surrounding peritoneal fat, level with the mass, presents a mild fat stranding. A colonic or mesenteric lymph node is moderately enlarged and rounded.

BREED

Black and Tan Coonhound

Multiple intervertebral discs present with mild central mineralization.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

MN

- Intramural soft tissue mass descending colon with surrounding peritonitis
- Lymphadenopathy colonic/mesenteric lymph node and hepatic lymph node
- Heterogeneous contrast enhancement pattern of the liver
- Solitary pulmonary soft tissue nodule
- Mural thickening wall pyloric antrum – maintained wall layering
- Fragmented medial coronoid process elbow joints bilaterally
- Mild degenerative osteoarthritis elbow joints bilaterally
- Pulmonary osteomas

AGE

7 Years

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study is consistent with primary neoplasia originating from the descending colon, potentials include adenocarcinoma, leiomyosarcoma, round cell tumor, gastrointestinal stroma cell tumor, other. Secondary mild surrounding peritonitis. The odds for metastatic spread to the regional tributary lymph nodes are high.

Complete surgical excision of the colonic mass is considered feasible.

The hepatic lesions are equivocal for benign hepatic lesions, such as cyst adenoma & simple hepatic cysts or metastatic disease. Ultrasound guided FNA sampling can be used as advanced minimally invasive diagnostic tool.

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Denver

REFERRING VET

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The solitary pulmonary nodule is not specific, and potentials can include metastasis, granuloma, fibrosis, round pneumonia/mucus impaction, cyst; the appreciated neoplasia of the colon would increase the odds for early stage of metastatic disease.

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The prominent gastric wall is most consistent with gastritis.

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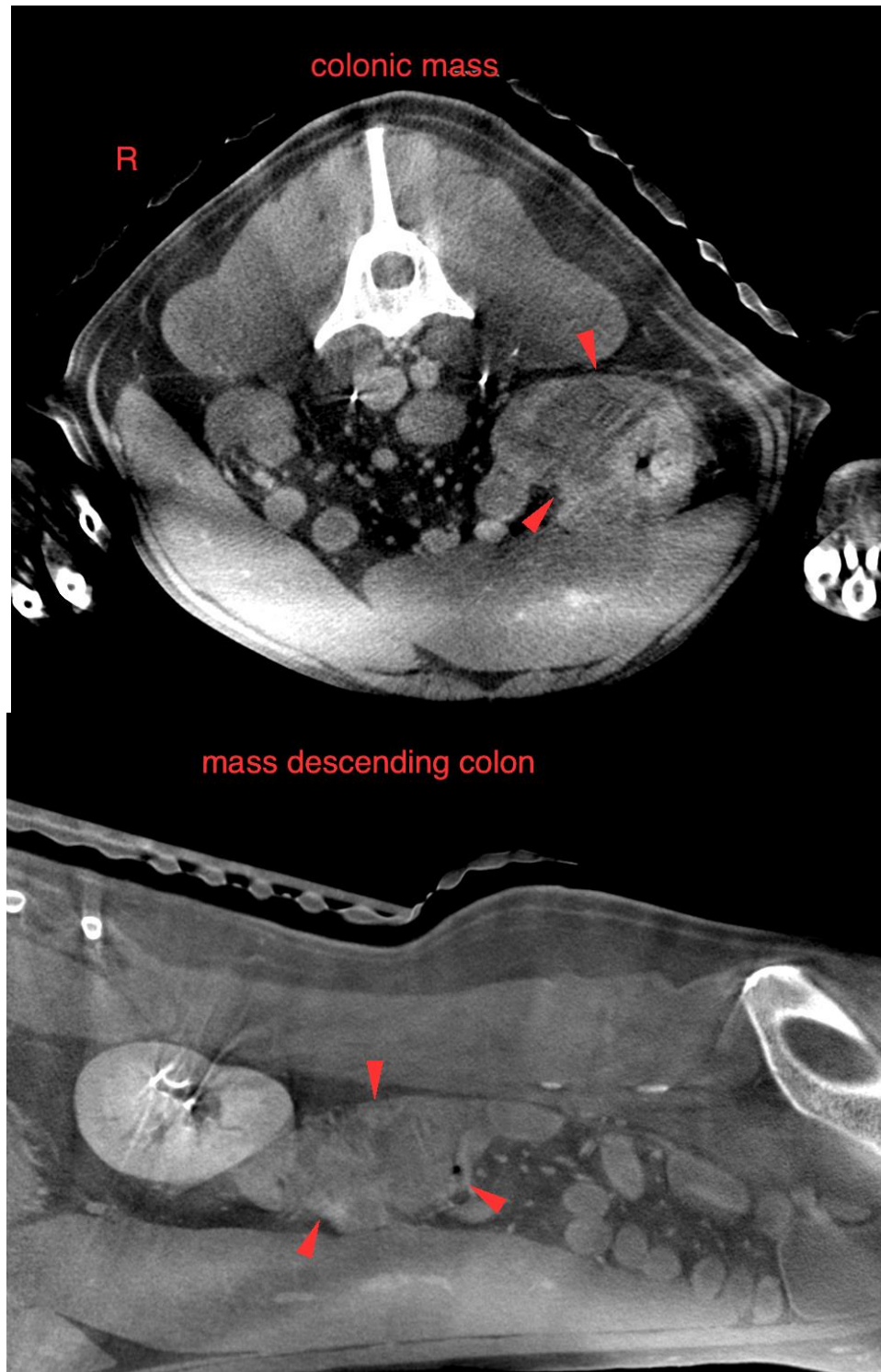
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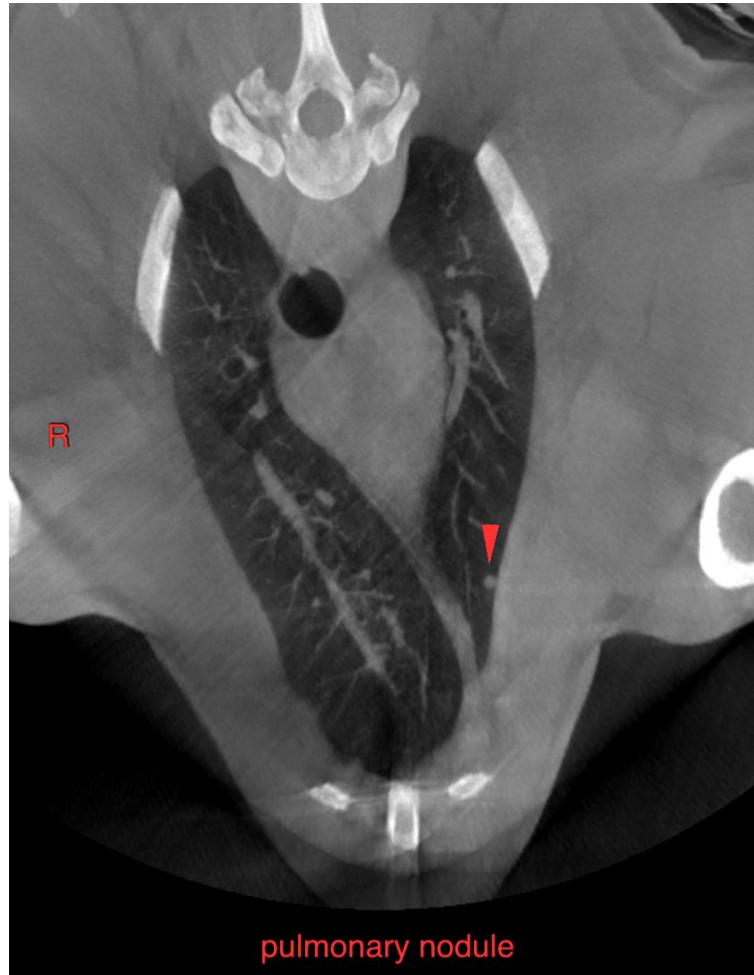
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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