



PATIENT

Merlin Bracken

PRESENTING CLINICAL SIGNS

Requesting esophagus and entire abdomen. Chronic diarrhea. On high dose metronidazole every 12 hours.
Abnormal PE/Chem/CBC/UA Results: WNL

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN

Plain and post contrast studies available for review.

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COMPUTED TOMOGRAPHIC FINDINGS

Thorax

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 are uniform and considered within normal limits.

SEX

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

AGE

10 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

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Moderate generalized dilation of the entire cervical and thoracic esophagus is seen. Most of the dilated esophageal lumen is filled with gas. A mild amount of fluid attenuating material is present within the distal thoracic esophagus cranial to the diaphragm. The lower esophageal sphincter appears to be open.

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Veterinary Hospital
and Wellness Centre

Abdomen

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.

REFERRING VET

Dr. Hawkes

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

Occasional small hyperenhancing splenic nodules are present.

INVOICE

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

Mild generalized enlargement of the pancreas with slightly heterogeneous contrast enhancement is seen. No peripheral mesenteropathy is seen.

DATE

7-21-22

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



PATIENT

Chronic moderately compressive disc herniation is seen within the lumbar spine between L1/2, L2/3, and L4/5.

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Moderate spondylosis deformans is noted between T12/13.

SPECIES

Moderate chronic intervertebral disc protrusion is noted at the lumbosacral junction.

Canine

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Normal CT findings of the gastrointestinal tract and mesenteric lymph nodes.
- Suspect pancreatopathy.
- Splenic nodules – suspect benign nodular hyperplasia.
- Esophageal dilation and gastroesophageal reflux – likely anesthesia related.
- Multiple chronic disc herniation and disc degeneration – unrelated to the reason of clinical presentation.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No structural pathology of the gastrointestinal tract can be identified yet diffuse inflammatory disease, dietary indiscretion, and other cannot be ruled out. Correlate with the available prior workup and consider ultrasound or endoscopy with sampling as indicated.

AGE

10 Years

Differential diagnosis for the pancreatopathy includes chronic/intermittent pancreatitis as well as benign nodular hyperplasia. Again, here, correlation with the laboratory values is required.

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Dr. med. Vet. DipECVDI

The esophageal dilation and gastroesophageal reflux may well be due to general anesthesia. Conscious radiographs of the thorax and neck could be obtained in order to rule out esophageal dilation in the awake non-sedate patient.

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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.

SPECIES

Canine

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