



PATIENT PRESENTING CLINICAL SIGNS

JJ Barkey J has been vomiting bile off and on for the last few months - it has been very infrequent. Lethargy, inappetence,

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE THORAX AND ABDOMEN

Canine A pre- and post-contrast CT study of thorax and abdomen are provided for review totaling 5 series. Two pre-contrast series of the thorax and abdomen, soft tissue and bone algorithm. Three post-contrast series of the abdomen, soft tissue algorithm.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Flat coated Retriever

ABDOMEN

SEX There are multiple enlarged lymph nodes within the abdomen and retroperitoneal space, correlated to the cranial mesenteric, caudal mesenteric, and iliosacral lymph centers. The lymph nodes appear variably sized and rounded shaped.

FS The mesenteric lymph nodes are grouped causing a cranioventral mass effect into the abdominal cavity and measures at least 6.8cm by 3.2cm and 7.1cm by 4.6cm. The hepatic lymph nodes measure approximately 3.4cm by 2.1cm. The larger para-aortic lymph node measures 6.3cm by 3.1cm.

AGE The medial iliac, internal iliac, and sacral lymph nodes are also enlarged with rounded shape. The largest measures approximately 5.4cm x 3.0cm (right medial iliac lymph node).

10 Years

The liver is homogenously soft tissue attenuating and uniformly contrast enhancing with normal size and shape. The gallbladder is unremarkable.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The spleen is mildly diffusely enlarged, homogenously soft tissue attenuating, and the remainder of the parenchyma is uniformly contrast enhancing.

The renal silhouettes are normal in size, shape, contour, and attenuation pre- and post-contrast. The renal length is 7.0cm in the right kidney and 8.2cm in the left kidney. No radiopaque calculi are seen.

HOSPITAL NAME

Mountain West Veterinary Hospital

The ureters are normal in size with correct insertion in the trigone region.

The urinary bladder is moderately filled, with the apex in the plane of L6, and is homogeneously soft tissue opaque.

REFERRING VET

Andrew Burton

The stomach is moderately distended, containing homogeneous hypoattenuating fluid material, heterogeneous attenuation ingesta and gas. Normal position.

The small intestines are nondilated and contain a small amount of fluid attenuating material and gas.

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The colon and rectum contain gas admixed with small amount of heterogeneously soft tissue attenuating fecal material.

The pancreas and adrenal glands are unremarkable*.

The uterus and ovaries, not applicable.

DATE

7-18-23



PATIENT T7-T8 and L2-L3 present complete bridging spondylosis deformans.

JJ Barkey **THORAX**

SPECIES The sternal lymph nodes and cranial mediastinal lymph nodes are mild to moderately enlarged with rounded shape and regular contour. The cranial mediastinal lymph node measures approximately 2.4cm by 1.4cm. The sternal lymph nodes measure approximately 1.6cm by 2.4cm and 1.4cm by 2.6cm, respectively.

Canine

The trachea and main bronchus are normal.

BREED

The pulmonary parenchyma is normal in attenuation. No pulmonary nodules or masses are seen.

Flat coated Retriever

The cardiac silhouette and pulmonary vessels are normal.

SEX

The pleural space is normal.

FS

The diaphragm is normal.

COMPUTED TOMOGRAPHIC DIAGNOSIS

AGE

10 Years

- Multiple enlarged variably sized abdominal, retroperitoneal, and thoracic lymph nodes, differential diagnosis includes multicentric lymphoma, other mesenchymal neoplasm, or metastasis of unknown origin.
- Mild splenomegaly, homogeneous enhancement. The differential diagnosis includes infiltrative disease, and possibly correlated to the lymphadenopathy. Other differential diagnosis includes, correlated to the anesthesia, lymphoid hyperplasia, and extramedullary hematopoiesis.
- Spondylosis deformans at T7-T8 and L2-L3, incidental.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The tomographic findings suggest a systemic disease, likely a round cell tumor, for example, multicentric lymphoma, or histiocytic sarcoma. No mass effect is seen within the spleen or liver parenchyma; however, it is not possible to rule out a liver or spleen neoplasm infiltration completely. An abdominal ultrasound is suggested followed by fine-needle aspiration and cytologic analysis of enlarged abdominal lymph nodes, liver, and spleen. Also, a survey for peripheral lymph nodes is suggested.

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TECHNICAL COMMENTS

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There are some ring artifacts, and low contrast attenuation of the post-contrast series causing difficulty in reviewing the details of the gastrointestinal tract and small structures such as the adrenal glands*.

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Canine

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REFERRING VET

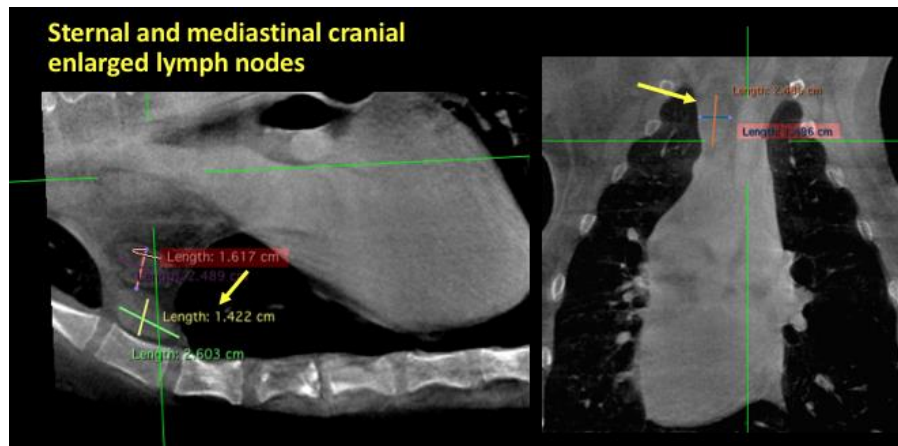
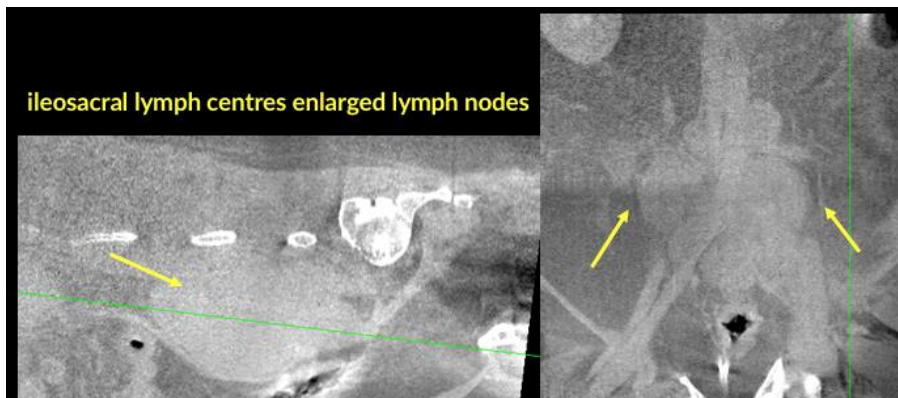
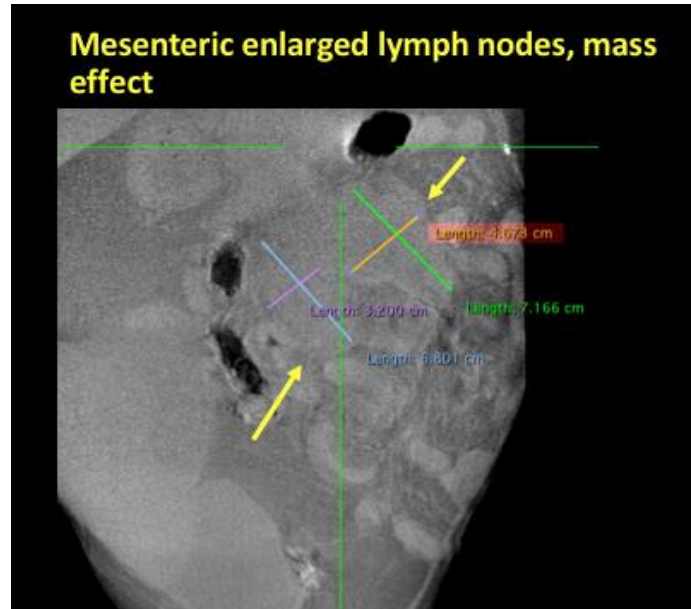
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PATIENT

JJ Barkey

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.

SPECIES

Canine

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.

BREED

Flat coated Retriever

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SEX

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