



**PATIENT**

Beau Petrosky

**PRESENTING CLINICAL SIGNS**

Patient was diagnosed with multiple mast cell tumors (diagnosed via FNA cytology) on 10/21. Sending out thoracic/abdominal CT for metastasis check. Masses were removed today. Abnormal PE/Chem/CBC/UA Results: CBC/Chem WNL.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN**

Plain and post contrast studies of the abdomen and plain study of the thorax available for review.

**BREED**

Boxer Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

**Thorax**

A small amount of loosely arranged soft tissue is seen in the cranioventral mediastinum compatible with an incompletely involuted thymus which is an incidental finding.

**SEX**

MN

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

**AGE**

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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

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

**Abdomen**

A soft tissue attenuating nodule is seen in the cranioventral abdominal wall to the right of the midline.

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Services, PLLC

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

**REFERRING VET**

Dr. Janis McGill

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.

A small mineral dense focus is seen within the urinary bladder.

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

Moderate generalized enlargement of the spleen with diffuse heterogeneous contrast enhancement and small hyperattenuating foci are seen.

**DATE**

11-22-22

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

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



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

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

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- Splenomegaly with diffuse heterogeneous enhancement and small hyperattenuating foci.
- Small urinary bladder calculus.
- Normal CT presentation of the lung.
- Incomplete involution of the thymus - incidental finding.
- Subcutaneous soft tissue nodule.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

MN

The CT study reveals generalized enlargement of the spleen with diffuse heterogeneous enhancement with multiple hyperattenuating nodules. Differential diagnosis includes congestion and differential tissue perfusion due to general anesthesia versus extramedullary hematopoiesis versus diffuse infiltrative disease. Fine needle aspiration of the spleen (and liver) is recommended for further definition since diffuse mast cell infiltrate of these organs does not necessarily present structural changes and the changes of the spleen require further verification.

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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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