



**PATIENT PRESENTING CLINICAL SIGNS**

Luna Oger History: Mammary carcinoma, epistaxis, hemoptysis, hematemesis, lethargy  
Abnormal PE/Chem/CBC/UA Results:

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL, THORAX AND ABDOMEN**

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS  
Skull**

Pit Bull Mix The tooth elements 306, 405 and 406 are absent.

**SEX** In the frontal sinus bilaterally, a moderate amount of non-contrast enhancing soft tissue material is appreciated, L>R. In the left nasal cavity, a mild amount of fluid attenuating material is attached to the nasal mucosal lining. The osseous margins of the nasal cavity bilaterally are unremarkable.

Spayed Female

**AGE** Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

4 Years 8 Months

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

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The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

The subcutaneous fat along the dorsal aspect of the neck presents moderate fat-stranding and increased volume.

**REFERRING VET Thorax**

Dr. Borecky Mild spondylosis formation is seen along the thoracic spine.

**INVOICE**

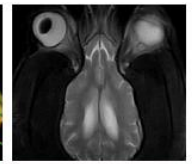
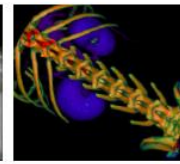
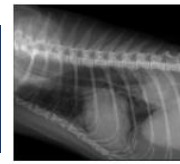
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The cranial mediastinal lymph nodes are prominent. The mediastinal fat is swollen and presents moderate fat-stranding. The axillary lymph nodes bilaterally are moderately enlarged.

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

**DATE**

6/15/22



**PATIENT** Luna Oger  
Moderate to marked circumferential swelling of the bronchi of the caudal lung lobes is appreciated, L>>R. The caudal lung lobes bilaterally present with multiple roundish zones of ground glass attenuation – accentuated in the periphery. The remaining lung lobes present with randomly distributed roundish lesions with mild ground glass pattern.

**SPECIES** Canine  
The tracheobronchial lymph nodes are significantly enlarged, rounded and present homogeneous contrast enhancement.

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

**BREED** Pit Bull Mix  
**Abdomen**  
In the caudal abdomen and caudal retroperitoneal space, the fat presents a significant soft tissue striation.

**SEX** Spayed Female  
The inguinal (R>L) and medial iliac lymph nodes are prominent.

**AGE** 4 Years 8 Months  
The right kidney is moderately swollen and the right renal pelvis is moderately dilated. The right ureter is mildly dilated, measuring up to 3 mm in diameter. The renal lymph nodes are prominent. No contrast excretion is appreciated by the right kidney.  
The adrenal glands are within normal limits for size, shape and organ architecture.

**INTERPRETED BY** Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI  
Both liver and spleen present 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.  
The periarticular bones of both coxofemoral joints present mild osteophyte new bone formation.

**REFERRING VET** Dr. Borecky  
**COMPUTED TOMOGRAPHIC DIAGNOSIS**  
• Lymphadenopathy cranial mediastinal, tracheobronchial, axillary, renal, inguinal and medial iliac lymph nodes bilaterally

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• Significant thickening bronchial walls caudal lung lobes, L>>R  
• Multiple roundish zones with unstructured interstitial pattern throughout the lung  
• Soft tissue material in frontal sinuses bilaterally and mildly in the nasal cavity  
• Right sided pyelectasia and mild hydroureter  
• Mild peritoneal and retroperitoneal effusion  
• Mild mediastinal effusion

**DATE** 6/15/22



**PATIENT**

Luna Oger

- Edematous subcutaneous swelling along the dorsal aspect of the neck
- Absent triadan 306, 405 and 406
- Mild degenerative osteoarthritis coxofemoral joints bilaterally

**SPECIES**

Canine

**BREED**

Pit Bull Mix

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The findings are concerning for disseminated neoplastic disease (e.g. such as carcinomatosis or round cell tumor) or systemic infectious disease ± pulmonary hemorrhage& (e.g. Leptospirosis, Ehrlichiosis, Anaplasmosis, mycotic). The soft tissue material in the nasal cavity most likely represents hematoma formation and is considered as a sequela to underlying systemic disease (e.g. secondary hyperviscosity syndrome). If not done so yet, further workup warrants FNA sampling of the enlarged lymph nodes (axillary and inguinal would be most easily accessed). Recommend complementing blood work by coagulation panel as well, as the multifocal signs of effusion can indicate hemorrhage.

**SEX**

Spayed Female

The lack of contrast excretion by the right kidney is suggestive for renal failure. The right sided pyelectasia can be a sequela to increased outflow resistance or pyelonephritis.

**AGE**

4 Years 8 Months

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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**REFERRING VET**

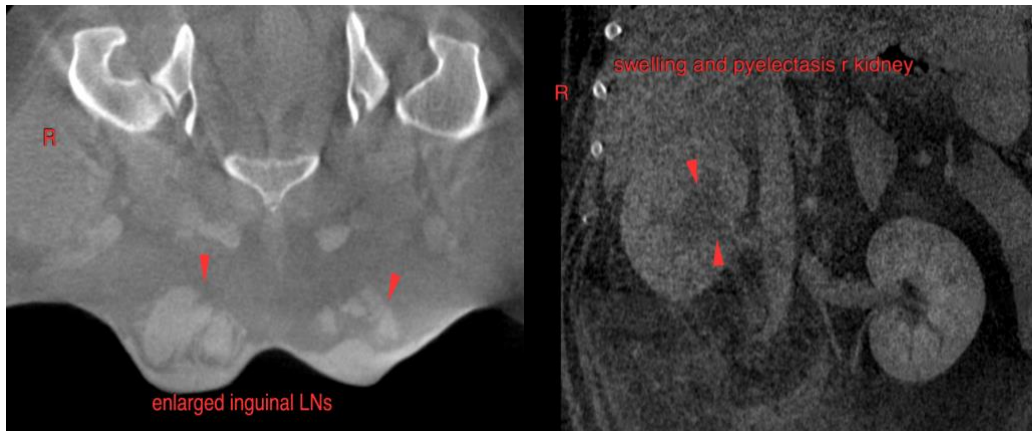
Dr. Borecky

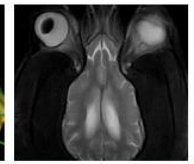
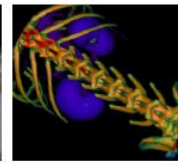
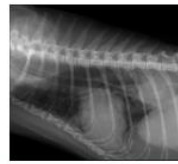
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**SPECIES**

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**BREED**

Pit Bull Mix

**SEX**

Spayed Female

**AGE**

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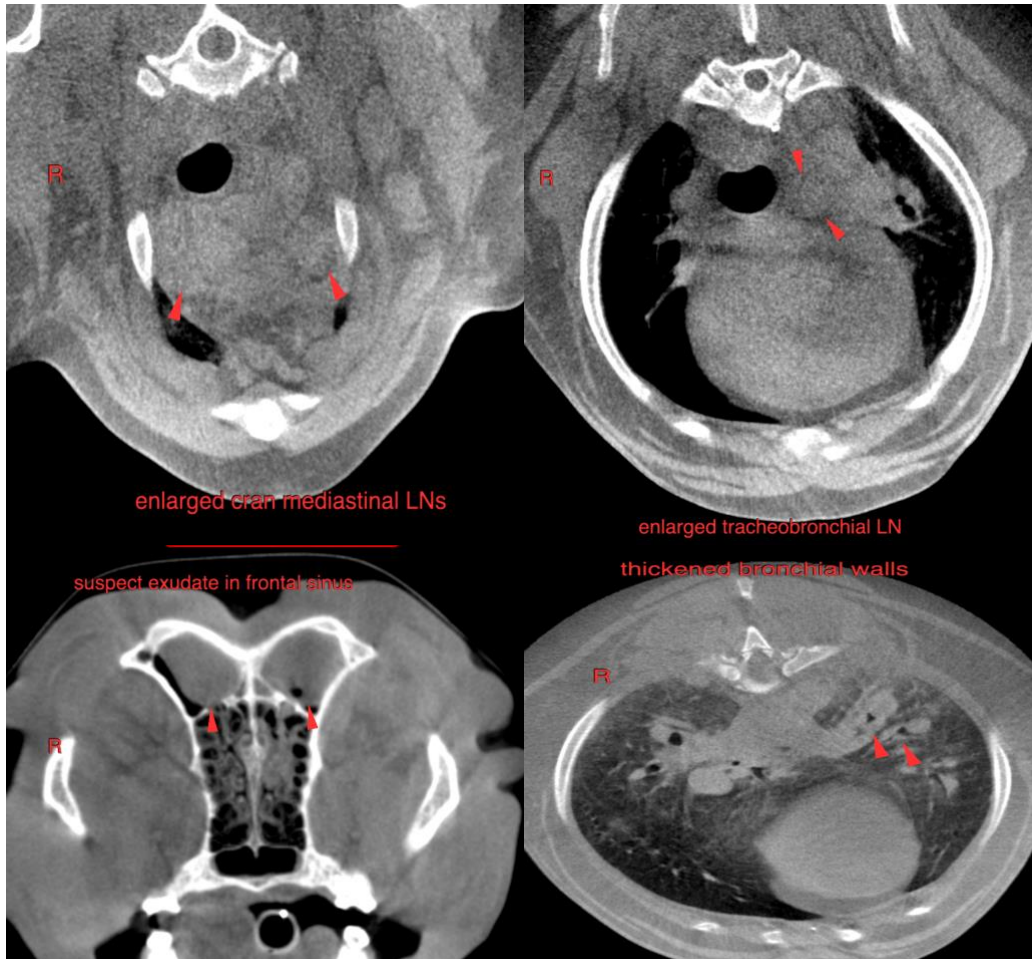
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enlarged cran mediastinal LNs

enlarged tracheobronchial LN

suspect exudate in frontal sinus

thickened bronchial walls

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
sebast.schaub@gmail.com



**PATIENT**

Luna Oger

**SPECIES**

Canine

**BREED**

Pit Bull Mix

**SEX**

Spayed Female

**AGE**

4 Years 8 Months

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