



**PATIENT PRESENTING CLINICAL SIGNS**

Grey Rude Chronic, intermittent rhinitis w/ Hx of URI as a kitten.

**COMPUTED TOMOGRAPHY OF THE SKULL & THORAX**

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

Feline

**COMPUTED TOMOGRAPHIC FINDINGS**

Skull

**BREED**

Triadan 101, 106, 206 and 407 are absent.

DSH

The nasal cavity is occupied by a uniform soft tissue attenuating and contrast enhancing, mild expansile soft tissue mass. Multifocal moth eaten osteolytic lesions are appreciated. The frontal sinuses contain a moderate amount of fluid attenuating material.

**SEX**

MN

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

**AGE**

12 Years

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.

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.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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.

Thorax

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The bony and surrounding soft tissue structures are within normal limits.

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.

**REFERRING VET**

Borecky

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

The lung parenchyma presents a generalized mild ground glass attenuating pattern. In the right caudal lung lobe, a small roundish ground glass attenuation lesion is appreciated. Gas can be seen along the vascular sheath of the pulmonary artery of the left caudal lung lobe.

**INVOICE**

51946

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

**DATE**

5-5-22

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Mild expansile nasal soft tissue mass with polyostotic aggressive osteolytic lesions of the palatine bone bilaterally
- Generalized mild unstructured interstitial lung pattern with small consolidated lesion in the right caudal lung lobe
- Gas along vascular sheath pulmonary artery left caudal lung lobe



**PATIENT**

Grey Rude

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The nasal mass is compatible with primary nasal neoplasia, Differentials include round cell neoplasia, adenocarcinoma, melanoma, other. Theoretically inflammatory nasal polyp formation is a considered but is considered less likely. Recommend rhinoscopy including biopsy as advanced diagnostic tool.

**SPECIES**

Feline

The pulmonary changes likely a sequela to chronic pneumonitis ± pulmonary fibrosis and small granuloma in the right caudal lung lobe. The gas along the vascular sheath of the left caudal lung lobe can be a sequela to impaired compliance of the lung parenchyma due to fibrosis and positive breath hold technique forcing gas into the interstitium and along the broncho vascular sheath (Macklin effect).

**BREED**

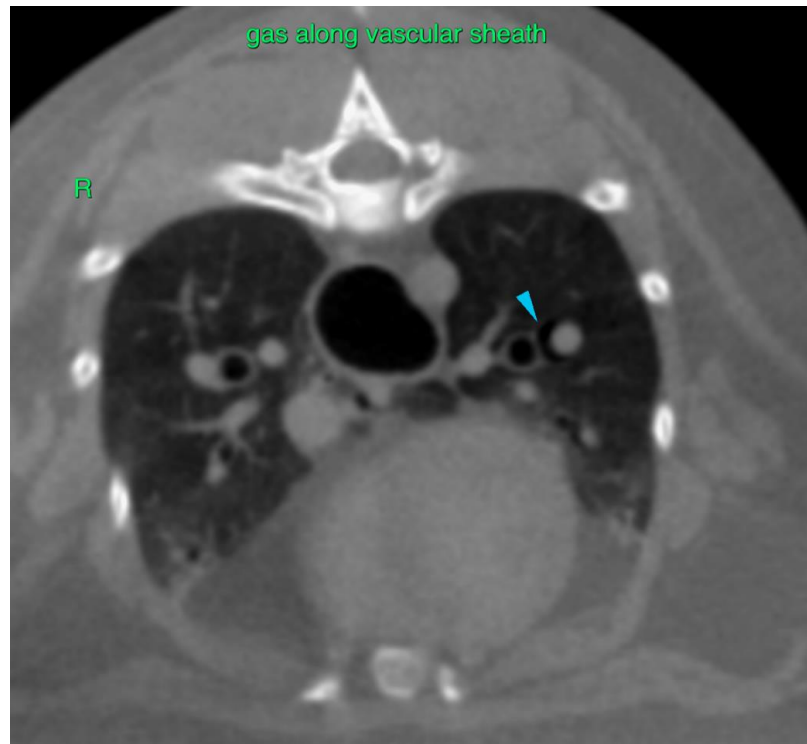
DSH

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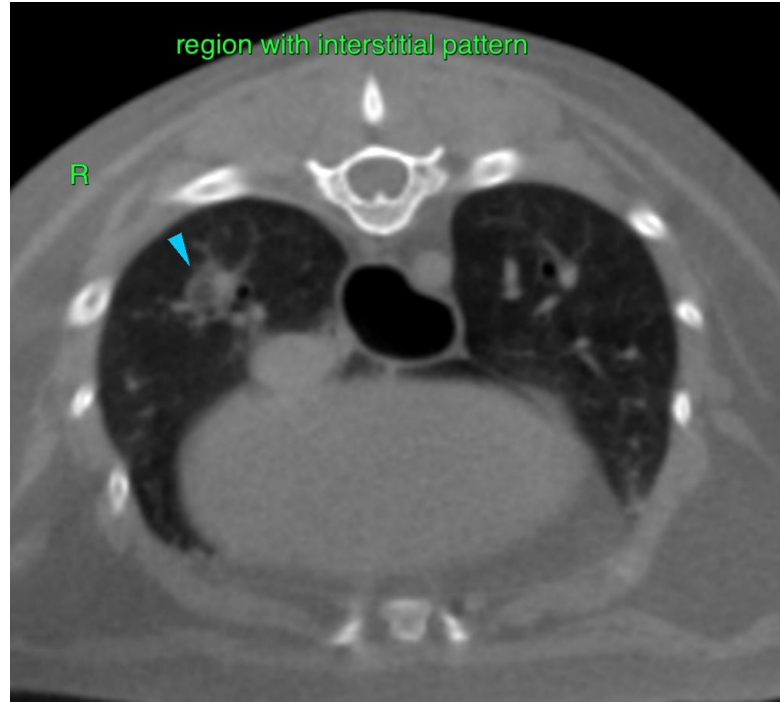
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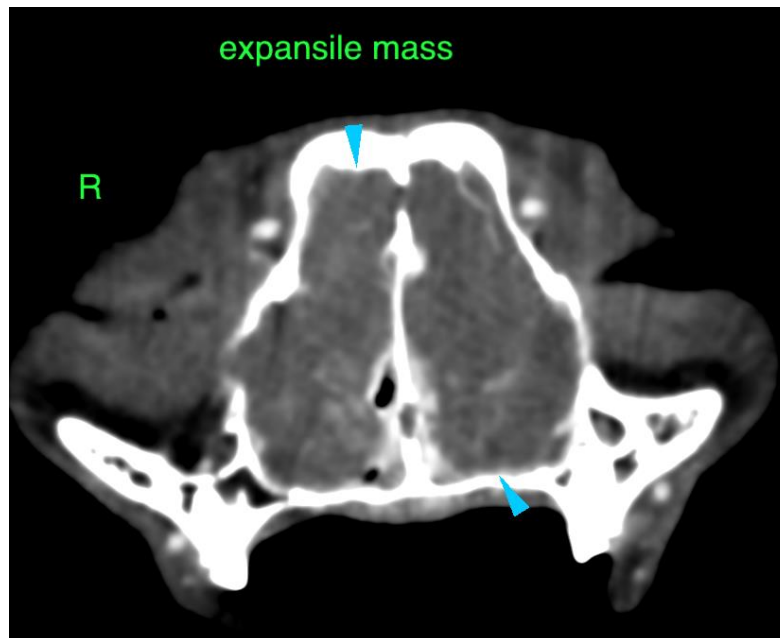
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SPECIES**

Feline

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

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