



**PATIENT PRESENTING CLINICAL SIGNS**

Garcia Sultzer Thyroid mass effect Elevated liver values

**COMPUTED TOMOGRAPHY OF THE SKULL, THORAX, AND ABDOMEN**

**SPECIES** A high resolution plain CT study of the skull, thorax and abdomen is provided for review.

Canine **COMPUTED TOMOGRAPHIC FINDINGS**

Skull

**BREED** Multiple teeth are absent. The remaining teeth present evidence of moderate periodontal disease with resorptive lesions of multiple teeth. The root of triadan 104 is perforating the right nasal cavity.  
Havanese

**SEX** The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

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

**AGE** 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.

13 Years A lipoma is seen in the right retropharyngeal region, measuring 2.4 x 1.6 x 4.4 cm in size. The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation pattern is uniform.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

In the region of the right thyroid gland, a well-defined, ovoid shaped, mild heterogeneous soft tissue attenuating mass is seen, measuring 3.2 x 3.2 x 5.9 cm in size. The trachea is deviated to the left by the mass effect.

**HOSPITAL NAME** Thorax

Animal Surgical Center The periarticular bones of the right shoulder joint present moderate osteophyte new bone formation.

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**

Baldwin Animal Hospital

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.

**INVOICE**

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In the cranial aspect of the cranial part of the left cranial lung lobe, level with the 1<sup>st</sup> intercostal space, a mild irregular roundish, uniform soft tissue attenuating nodule is seen, measuring 9 mm in diameter.

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

**DATE**

8-10-22

Abdomen



**PATIENT**

Garcia Sultzer

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

Both kidneys present mild irregular margins and multiple roundish hypoattenuating lesions are seen throughout the renal cortex bilaterally. A small amount of mineral attenuating material is associated with the renal pelvis bilaterally.

**SPECIES**

Canine

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

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma.

**BREED**

Havanese

The hepatic volume is moderately increased the liver is protruding beyond the costal arch; the gastric axis is deviated caudally. The liver presents mild undulating margins.

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

**SEX**

MN

The lumbosacral intervertebral disc is moderately bulging into the vertebral canal, occupying approximately up to 50% of the cross-sectional area of the vertebral canal at the same level.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Right thyroid mass
- Hepatomegaly with irregular margins
- Solitary pulmonary nodule
- Degenerative lumbosacral stenosis
- Oronasal fistula formation 104
- Generalized advanced periodontal disease
- Multiple absent teeth
- Suspect renal cysts
- Nephrolithiasis without signs of obstruction
- Degenerative osteoarthritis right shoulder joint
- Right sided retropharyngeal lipoma

**AGE**

13 Years

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Animal Surgical  
Center

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**REFERRING VET**

Baldwin Animal  
Hospital

The right thyroid mass is consistent with primary thyroid neoplasia with carcinoma being most likely. FNA sampling might be used to confirm the diagnosis.

Potentials for the hepatomegaly include metabolic hepatic disease, hepatitis or diffuse neoplastic infiltration. The irregular enlargement of the liver is increased the odds for neoplastic transformation and FNA sampling and/or TruCut biopsy would be ideal for further definition.

**INVOICE**

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The odds for metastatic spread the lung are high. Potentials for the solitary nodular lung lesion include granuloma, fibrosis, round pneumonia, cyst.

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**AGE**

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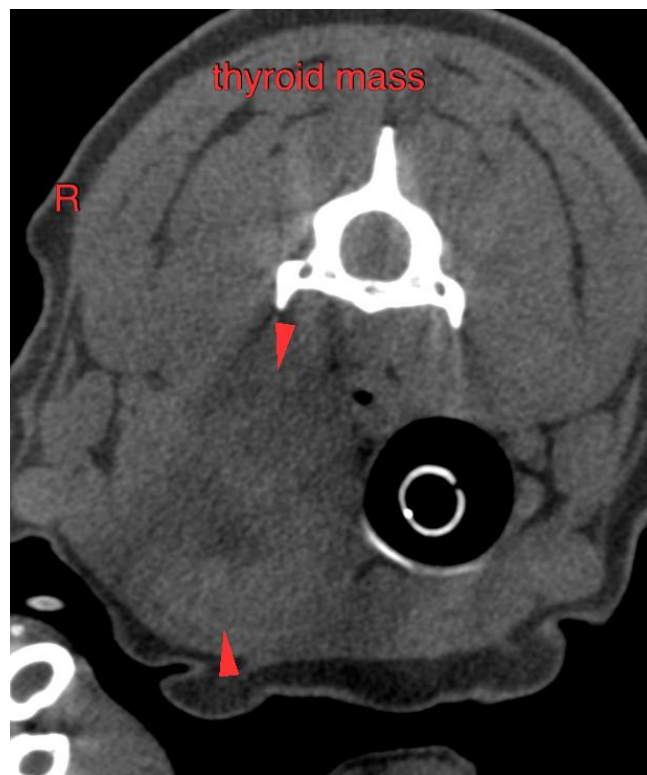
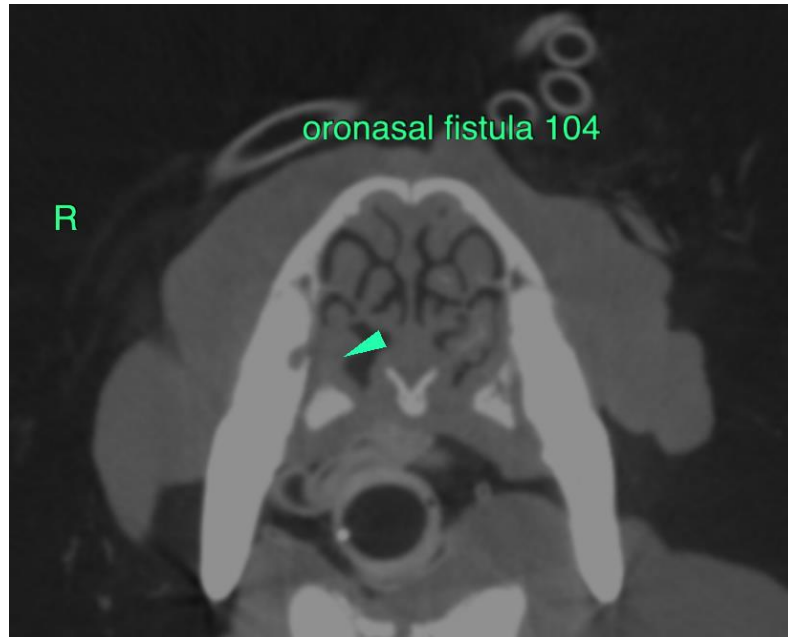
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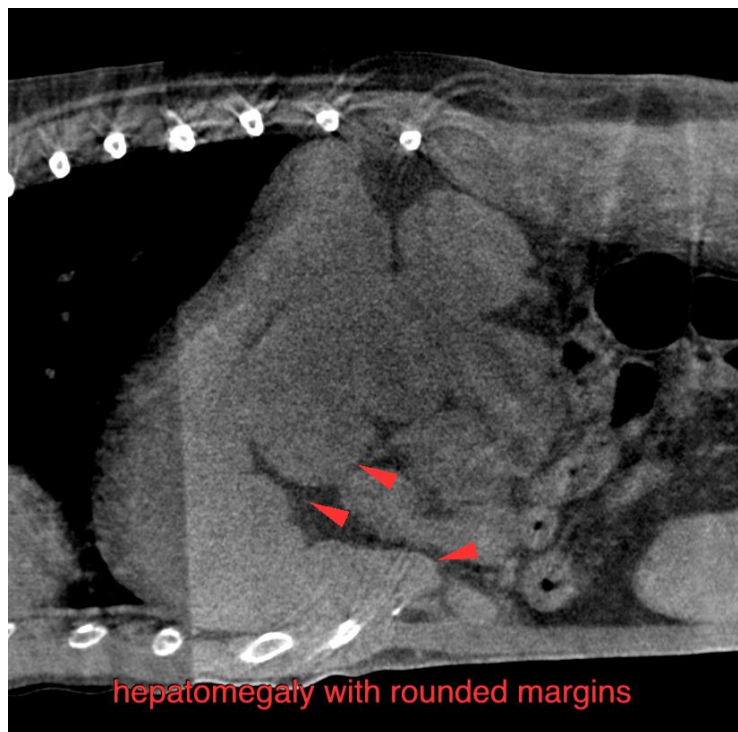
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**SPECIES**

Canine

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.

**BREED**

Havanese

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

**SEX**

MN

**AGE**

13 Years

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