



**PATIENT**

Sherlock Barillaro

**PRESENTING CLINICAL SIGNS**

Sherlock presented for a possible thyroid tumor. He was taken to get groomed, and the groomer felt a palpable mass effect as an incidental finding. A FNA was concerning for neoplastic cells

**SPECIES**

Canine

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

A high resolution post-contrast CT study of the skull, thorax and abdomen is provided for review.

**BREED**

Havanese

**COMPUTED TOMOGRAPHIC FINDINGS**

Skull

Multiple teeth are absent. The incisor teeth in the upper and lower jaw quadrants present evidence of moderate periodontal disease.

**SEX**

MN

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

**AGE**

7 Years

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

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.

**HOSPITAL NAME**

Animal Surgical  
Center

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.

In the region of the left thyroid gland, at the left lateral aspect of the trachea, a bilobed, well-defined, heterogeneous contrast enhancing mass, measuring 1.8 x 1.9 x 4.7 cm in size is visible. Multiple tortuous vessels are seen at the cranial and caudal pole of the mass. The left common carotid artery is deviated dorsally level with the mass.

**REFERRING VET**

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The right thyroid gland presents with the expected shape, size and organ architecture.

Thorax

**INVOICE**

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The subcutaneous fat at the cranial aspect of the left scapula presents a small zone with fat-stranding and small gas inclusions – consistent with preceding subcutaneous injection.

**DATE**

3-29-22

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.

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



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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.

**SPECIES**

Canine

Compression atelectasis of the cranial part of the left cranial lung lobe and the cranioventral aspect of the right cranial lung lobe is seen. The remainder of the pulmonary parenchyma are aerated and have the expected architecture.

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

**BREED**

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Abdomen

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

**SEX**

MN

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.

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

**AGE**

7 Years

Both liver and spleen present with normal shape, even surface, uniform contrast enhancement, unremarkable.

**INTERPRETED BY**

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

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

**HOSPITAL NAME**

Animal Surgical  
Center

The bony and surrounding soft tissue structures reveal no abnormalities.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass left thyroid gland
- Periodontal disease upper & lower incisor teeth
- Multiple absent teeth
- Atelectasis cranioventral aspects of the lung, due to general anesthesia
- Normal abdomen
- No evidence of pulmonary metastatic spread

**REFERRING VET**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The CT study is supporting the diagnosis of left sided primary thyroid neoplasia – thyroid carcinoma is most common. The smaller cranial lobe of the mass can present enlarged lymphoid tissue or is adhered to the mass. Complete surgical resection is considered feasible and there are no signs for vascular invasion.

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**REFERRING VET**

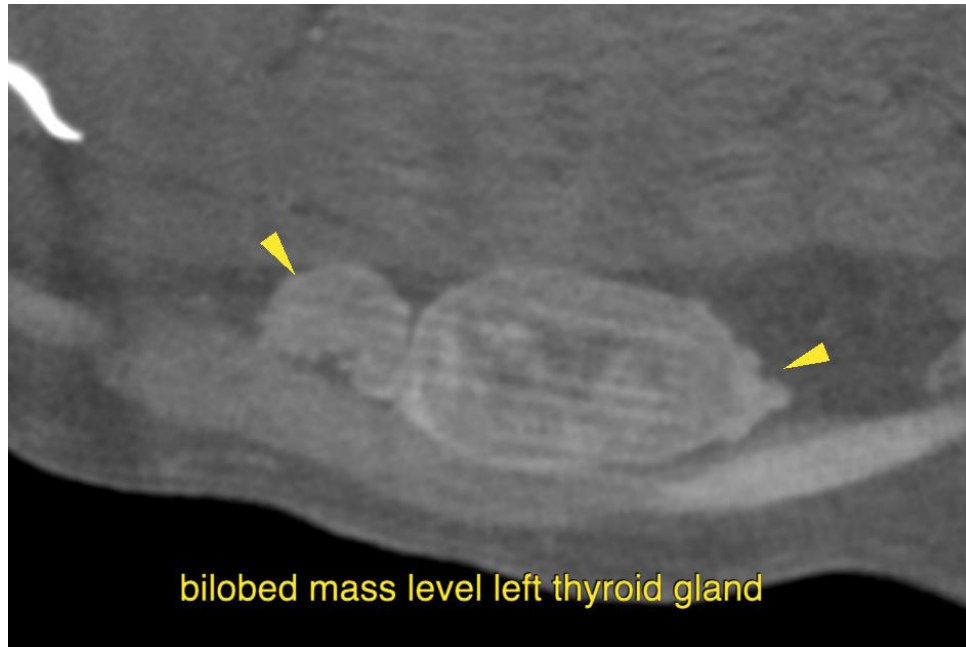
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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