



**PATIENT PRESENTING CLINICAL SIGNS**

Lucy Fish Dog with left sided firm mandibular/cervical mass - previous aspirates showed lymphoid hyperplasia. On sedated oral exam today found left tonsillar mass  
 Abnormal PE/Chem/CBC/UA Results: Firm fixed SQ mass left mandibular/cervical region

**SPECIES COMPUTED TOMOGRAPHY OF THE SKULL & THORAX**

Canine A pre- and post-contrast CT study of the skull and thorax in a soft tissue reconstruction are provided for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

French Bulldog Skull

Multiple teeth are absent. The remaining teeth present evidence of generalized mild to moderate horizontal bone loss in all jaw quadrants.

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

FS

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

**AGE**

8 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.

**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.

The left tonsil is prominent in comparison to the contralateral side.

**HOSPITAL NAME**

Animal Health Partners

The left medial retropharyngeal lymph node is significantly enlarged and presents with a heterogeneous attenuation and contrast enhancement pattern, sparing intraparenchymal fluid attenuating regions. The fat surrounding the left medial retropharyngeal lymph node presents fat stranding. The left mandibular lymph nodes are prominent.

Thorax

**REFERRING VET**

Dr. Ashley Gold

Multiple hemivertebra are appreciated along the thoracic spine. Multifocal mild spondylosis formation is seen along the thoracic spine. There is evidence of preceding left sided hemilaminectomy L3/L4.

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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.

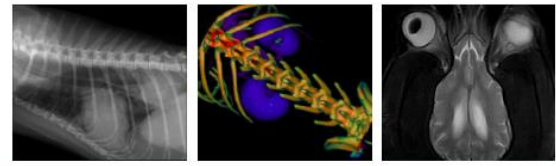
**DATE**

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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.

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



**PATIENT** abnormal dilation.

Lucy Fish

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

FS

**AGE**

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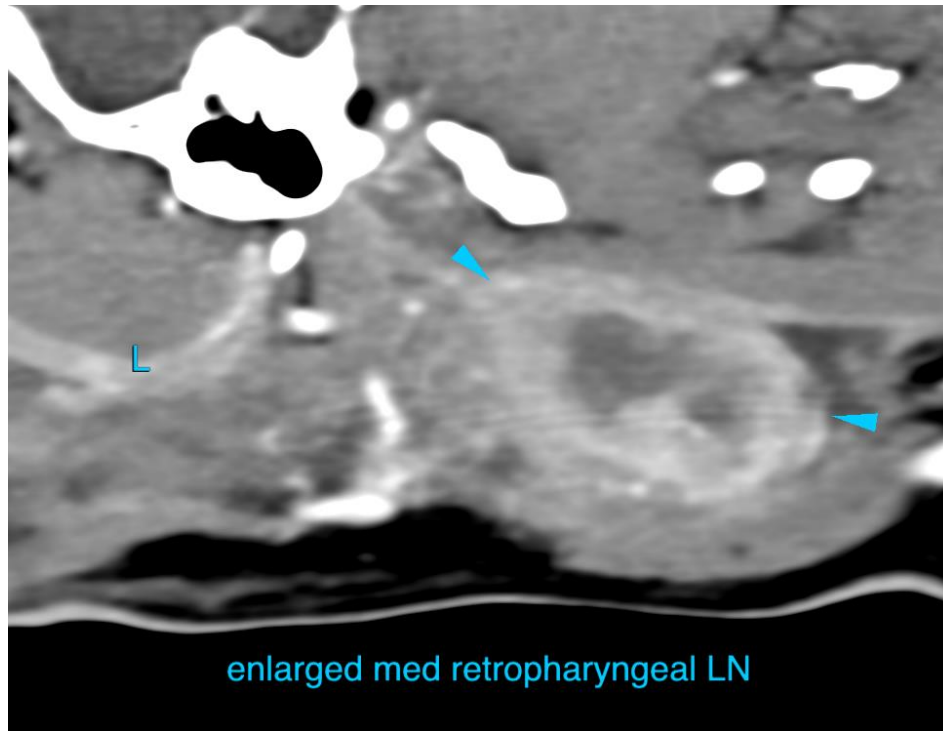
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- Lymphadenopathy left medial retropharyngeal lymph node and mild lymphadenopathy left mandibular lymph nodes with surrounding steatitis
- Prominent left tonsil
- Generalized horizontal bone loss in all jaw quadrants
- Multiple absent teeth
- Multiple hemivertebra along the thoracic spine
- Spondylosis deformans
- No evidence of pulmonary metastatic disease

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The enlarged left tonsil in combination with the significantly enlarged left medial retropharyngeal lymph node are very concerning for primary tonsillar neoplasia such as squamous cell carcinoma or lymphosarcoma with metastatic spread to the regional lymph nodes. However, reactive hyperplasia ± abscessation or necrosis of the left medial retropharyngeal lymph node and hyperplasia of the regional lymphoid tissues might be still a consideration, but the odds are lower. If not done so yet, consider repeating FNA sampling ± biopsy of the tonsil and left medial retropharyngeal lymph node.

The left tonsillar mass appears well-defined and complete surgical excision might be feasible.





**PATIENT**

Lucy Fish

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

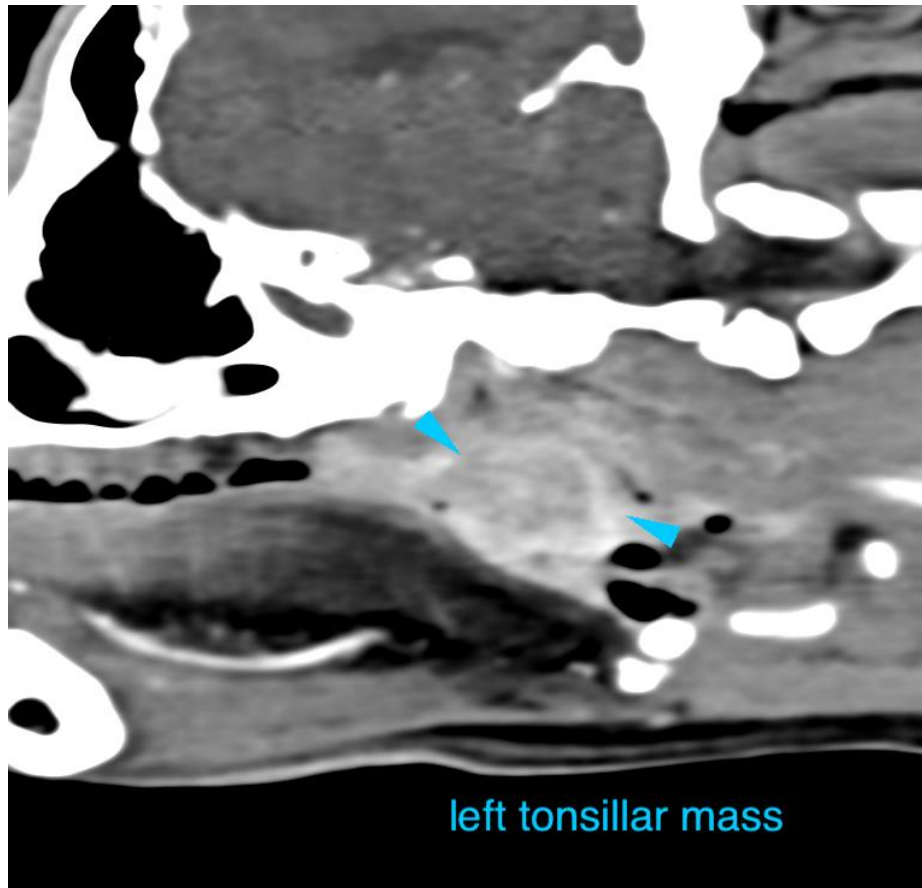
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**AGE**

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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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