



## PATIENT

Choncho Gordon

## SPECIES

Canine

## BREED

Labrador Retriever

## SEX

Male Neutered

## AGE

9

## WEIGHT

34.2

## INTERPRETED BY

Sebastian Schaub, DVM  
Dr. med. vet.  
DipECVDI

## IMAGING PERFORMED BY

Matthew O'Neil

## HOSPITAL NAME

Westford Veterinary  
Emergency and  
Referral Center

## REFERRING VET

Mallory Watson

## INVOICE

73032

## DATE

12-17-25

## PRESENTING CLINICAL SIGNS

Thyroid mass. Marble size mass first noted when adopted in 2021. FNA showed no concerns at that time. Mass recently started growing. Cytology now consistent with thyroid neoplasia. Patient also has history of seizures and hindlimb ataxia/weakness.

Abnormal PE/Chem/CBC/UA Results: Abnormal Diagnostic Findings: Thyroid tumor Problem List or Working Diagnosis: Thyroid carcinoma vs adenoma vs other Epilepsy Ataxia--T3-L3 localization

## COMPUTED TOMOGRAPHY OF THE SKULL, NECK, THORAX AND ABDOMEN

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

## COMPUTED TOMOGRAPHIC FINDINGS

### Skull & Neck

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

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

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.

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 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.

Centered on the ventral aspect of the basihyoid bone, a roundish, uniform soft tissue attenuating and heterogeneous contrast enhancing mass is seen; measuring 4.0 x 2.6 x 5.0 cm. The basihyoid bone presents permeative osteolytic lesions.

The thyroid gland bilaterally has the expected shape, size and attenuation behavior.

The vertebral endplates C5/C6 present moderate spondylosis formation.

### Thorax

Along the thoracic spine, multifocal spondylosis formation is seen.

Along the thoracic wall, multiple well-defined, variable sized lipomas are seen.

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.

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.



## PATIENT

Choncho Gordon

## SPECIES

Canine

## BREED

Labrador Retriever

## SEX

Male Neutered

## AGE

9

## WEIGHT

34.2

## INTERPRETED BY

Sebastian Schaub, DVM  
Dr. med. vet.  
DipECVDI

## IMAGING PERFORMED BY

Matthew O'Neil

## HOSPITAL NAME

Westford Veterinary  
Emergency and  
Referral Center

## REFERRING VET

Mallory Watson

## INVOICE

73032

## DATE

12-17-25

The lung parenchyma presents the expected architecture and attenuation behavior with randomly distributed interspersed punctuate mineralization.

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

### Abdomen

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

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.

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

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

Level with the intervertebral disc spaces L2/L3, L5/L6 to L7/S1 are bulging into the vertebral canal, occupying approximately up to 15% of the cross-sectional area of the vertebral canal at the same level. In the extraforaminal space L7/S1, lateral spondylosis formation is seen.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Soft tissue mass centered on basihyoid bone with aggressive osteolysis
- Intervertebral disc protrusion L2/L3 and L5/L6 to L7/S1 without relevant myelocompression – can be a source for dynamic pain
- Lateral spondylosis formation L7/S1 with possible dynamic impingement of the left spinal nerve L7
- Spondylosis deformans
- No evidence of pulmonary metastatic disease
- Normal appearing abdomen

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appreciated mass is consistent with basihyoid ectopic thyroid carcinoma – surgical management may be considered.\*

\* Peters, Harry J., et al. "Complete excision of the basihyoid bone in two dogs during surgical treatment of ectopic thyroid carcinoma." *Veterinary Record Case Reports* 13.2 (2025): e1106.



## PATIENT

Choncho Gordon

## SPECIES

Canine

## BREED

Labrador Retriever

## SEX

Male Neutered

## AGE

9

## WEIGHT

34.2

## INTERPRETED BY

Sebastian Schaub, DVM  
Dr. med. vet.  
DipECVDI

## IMAGING PERFORMED BY

Matthew O'Neil

## HOSPITAL NAME

Westford Veterinary  
Emergency and  
Referral Center

## REFERRING VET

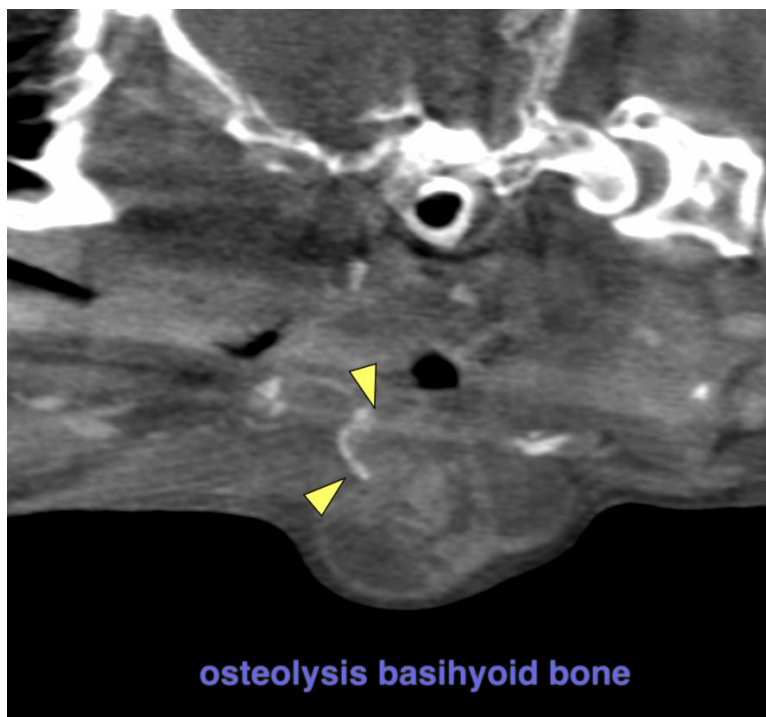
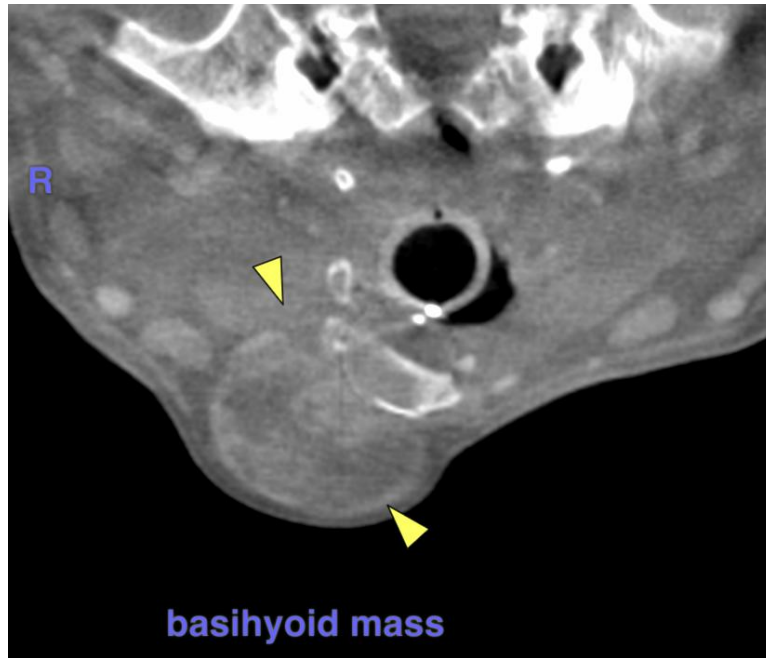
Mallory Watson

## INVOICE

73032

## DATE

12-17-25





## PATIENT

Choncho Gordon

## SPECIES

Canine

## BREED

Labrador Retriever

## SEX

Male Neutered

## AGE

9

## WEIGHT

34.2

## INTERPRETED BY

Sebastian Schaub, DVM  
Dr. med. vet.  
DipECVDI

## IMAGING PERFORMED BY

Matthew O'Neil

## HOSPITAL NAME

Westford Veterinary  
Emergency and  
Referral Center

## REFERRING VET

Mallory Watson

## INVOICE

73032

## DATE

12-17-25



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  
[info@sonopath.com](mailto:info@sonopath.com)