



**PATIENT PRESENTING CLINICAL SIGNS**

Bailey Levitz Left mandibular recurrence mucosal thickening 2x1x2 cm

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, & THORAX**

Canine Plain and post contrast studies of the head and neck and post contrast study of the thorax available for review. The thoracic study has significant motion blur.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED Thorax**

Labrador Retriever Multiple spondyloses are seen within the thoracic spine.

**SEX** 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 are uniform and considered within normal limits.

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

**AGE** 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.

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**INTERPRETED BY** The lung parenchyma presents the expected architecture and attenuation behavior. No evidence of interstitial pulmonary nodules or masses is seen.

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

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

**HOSPITAL NAME Head & Neck**

Animal Surgical Center The patient has a history of recurring left mandibular mass.

Ill-defined focal soft tissue swelling with mass effect is seen in the left caudal mandible. The triadans 309-311 have been removed.

**REFERRING VET** Circumscribed and ill-defined osteolytic defects are seen in the caudal left mandibular body starting from the former alveolar level of the triadan 309 throughout the former alveoli of the triadans 310 and 311. Full thickness cortical bone defects, permeative lysis with long and indistinct transition zone, and a mild amount of amorphous periosteal new bone formation are seen up to the level of the mandibular ramus.

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**INVOICE** The left submandibular and retropharyngeal lymph nodes as well as the cervical lymph nodes present within normal limits.

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Both lobes of the thyroid gland are seen and present within normal limits.

**DATE**

5-7-23



**PATIENT**                      **COMPUTED TOMOGRAPHIC DIAGNOSIS**

Bailey Levitz

- Suspect recurring soft tissue mass with aggressive bone lysis in the left caudal mandible.
- No evidence of metastatic disease to the regional lymph nodes or lung.

**SPECIES**                      **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Canine

The CT findings suggest potential for recurring malignant growth in the left caudal mandible with aggressive bone lysis which extends over a distance of 4 cm approximately starting from the alveolus of the former triadan 309 up to the level of the left mandibular ramus which presents amorphous periosteal new bone formation along the cranial contour. The type of tumor is not mentioned in the patient history. However, soft tissue neoplasia such as oral fibrosarcoma, melanoma, lymphosarcoma, squamous cell carcinoma, or other with secondary aggressive bone lysis appears to be a potential.

**BREED**

Labrador Retriever

**SEX**

At this time, there is no evidence of metastatic disease to the regional lymph nodes or lung.

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**AGE**

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**HOSPITAL NAME**

Animal Surgical  
Center

**REFERRING VET**

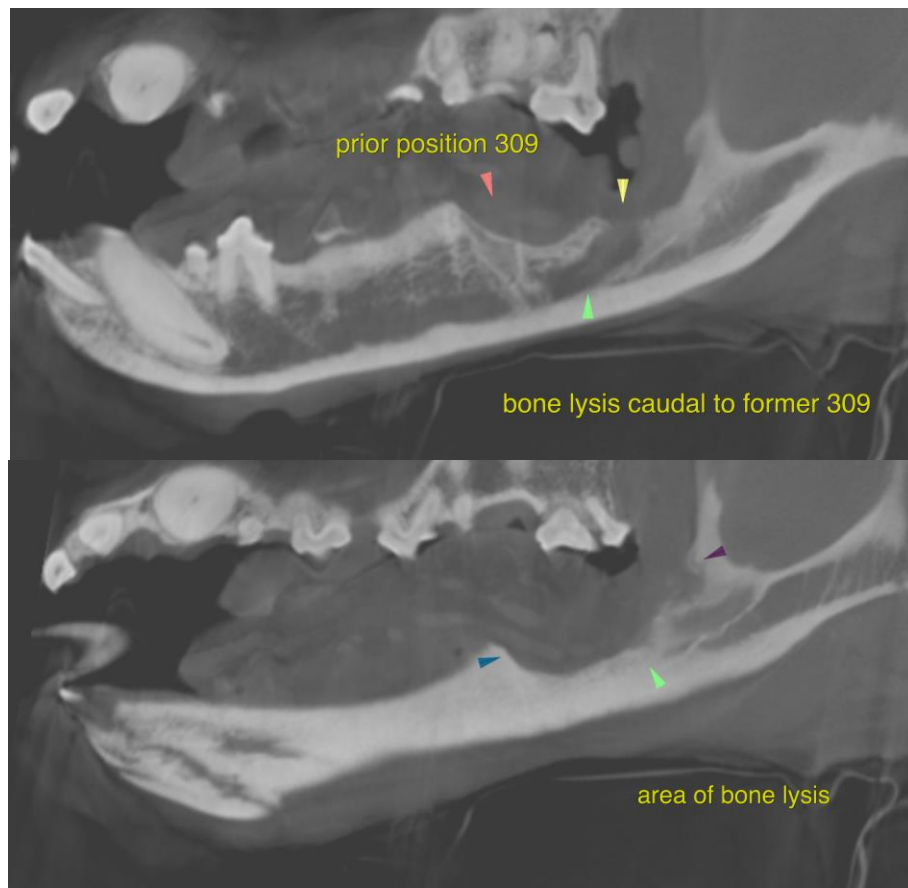
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**PATIENT**

Bailey Levitz

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.

**SPECIES**

Canine

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**BREED**

Labrador Retriever

**SEX**

FS

**AGE**

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