



**PATIENT PRESENTING CLINICAL SIGNS**

Logan Bathgate Couple month history of pain when opening the jaw and reluctance to open the jaw. Severe discomfort on palpation of the left mandible. Radiographs revealed mineral opacity at this location. Thoracic CT performed for metastasis check

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

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Alaskan Malamute Skull

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

**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** Centered on the caudodorsal margin of the coronoid process of the left ramus of the mandible, a granular mineralizing mass is appreciated, measuring 3.3 x 3.4 x 4.0 cm. Post contrast administration, a heterogeneous soft tissue component is associated with the mass, extending caudally over the zygomatic process of the left temporal bone up to the rostral margin of the left external ear canal. Laterally the mass is in contact with the left zygomatic arch.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI 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.

**HOSPITAL NAME**

Animal Health Partners 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.

**REFERRING VET**

Dr. Alison Little Thorax  
The bony and surrounding soft tissue structures are within normal limits.

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.

**INVOICE**

59447 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.

**DATE**

7-19-23 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



**PATIENT** dilation.

Logan Bathgate

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Monostotic semiaggressive osteoproliferative mass caudodorsal aspect coronoid process left mandible
- Pulmonary osteomas
- No evidence of pulmonary metastatic disease

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**BREED**

Alaskan Malamute

The mineralizing mass at the caudodorsal aspect of the coronoid process of the left mandible is compatible with primary osseous neoplasm, such as chondrosarcoma, osteochondrosarcoma, osteosarcoma. FNA sampling/biopsy of the mass can be performed for further differentiation. Complete surgical excision of the mass by coronoidectomy might be considered - be aware of the caudal extend of the mass over the zygomatic process.

**SEX**

MN

**AGE**

8 Years

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

Animal Health  
Partners

**REFERRING VET**

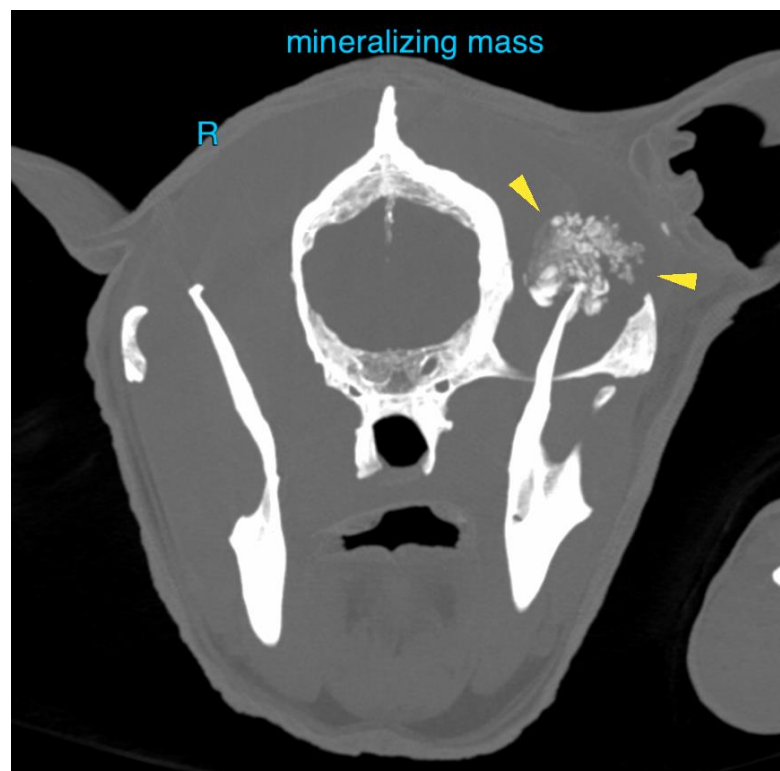
Dr. Alison Little

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**DATE**

7-19-23





**PATIENT**

Logan Bathgate

**SPECIES**

Canine

**BREED**

Alaskan Malamute

**SEX**

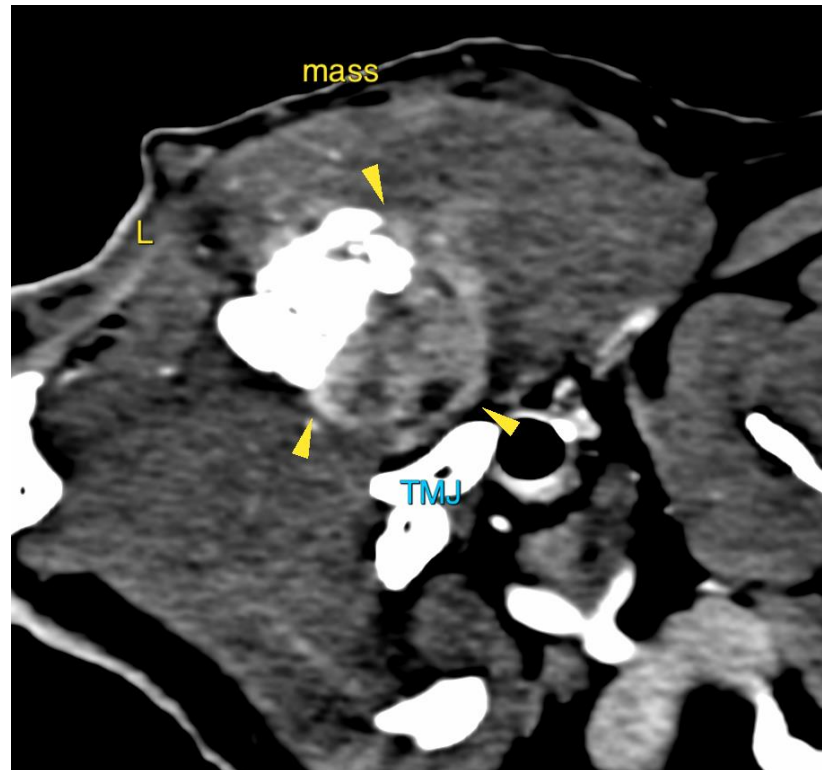
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**REFERRING VET**

Dr. Alison Little

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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