



PATIENT PRESENTING CLINICAL SIGNS

Lola Stalker
SPECIES Canine
BREED English Cocker Spaniel

Lola presented for possible Amelanotic melanoma of the rostral maxilla. Lola had acute onset of a large rostral maxillary mass on 11/5/2022. The biopsy then was consistent with amelanotic melanoma but stains were requested. The mass at that time was 3x4x2 cm on left rostral mandible with boney lysis. Chest xrays were performed on 11/17/22 and did not show obvious pulmonary metastasis. A fine needle aspirate was performed on 11/1/7/2022 was negative for obvious neoplastic cells. On a follow up appointment on 11/30/22 Lola was exhibiting lower than normal energy but eating and drinking normally. Past medical history: Lola has a history of inflamed ear canals with 2+ cocci/yeast, no lymphadenopathy was noted. left sided horner's syndrome has been present for about 1 month. It has been stable since it was first noted.

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

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

COMPUTED TOMOGRAPHIC FINDINGS

SEX Skull

FS The tooth elements 105-110, 201-203, 205, 206, 209, 301, 308-311, 401, 405, 408-411 are absent.

AGE 7 Years
 The incisor bone level with absent triadan 201-203, involving the mesial aspect of the alveolar bone of triadan 101 & 204 present a zone with permeative osteolysis with a crescent shaped defect of the incisor bone at the same level. Level with the left aspect of the incisor bone, a plaque like, ill-defined gingival swelling is appreciated, measuring approximately 15 x 12 x 19 mm in size.

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

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.

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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.

REFERRING VET

Kimberly Winters

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.

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The intervertebral disc C3/C4 is bulging into the vertebral canal, distorting the ventral epidural space at the same level; the respective intervertebral disc space is narrowed.

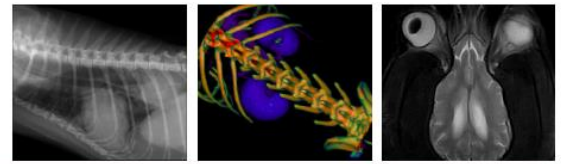
At the caudal aspect of the right thyroid gland, a well-defined heterogeneous moderate contrast enhancing nodule is appreciated, measuring 6 mm in diameter.

Thorax

DATE

1-3-23

The bony and surrounding soft tissue structures are within normal limits.



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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.

SPECIES

Canine

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.

BREED

English Cocker Spaniel

The lung parenchyma presents the expected architecture and attenuation behavior with randomly distributed interspersed punctuate mineralization and small zones of dystelectasis of the ventral dependent aspects of the lung

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

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

FS

- History of melanoma rostral aspect maxillary bone/incisor bone with polyostotic aggressive osteolytic lesions of the incisor bone and left maxillary bone at the same level
- Soft tissue nodule caudal aspect of the right thyroid gland
- Mild intervertebral disc herniation C3/C4 with possible dynamic myelocompression
- Spondylosis deformans
- Pulmonary osteomas
- Multiple absent teeth
- No evidence of pulmonary metastatic disease

AGE

7 Years

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The plaque like gingival mass/swelling level with the left aspect of the incisor bone and maxillary bone is supporting the diagnosis of underlying biologically aggressive disease and neoplasia – biopsy revealed potential amelanotic melanoma – is most likely. Complete surgical excision of the mass by premaxillectomy is considered feasible. Potential osteotomy lines should be distal to triadan 204 and mesial or distal to triadan 104.

The nodule seen at the caudal aspect of the right thyroid gland can present macronodular hyperplasia of the right thyroid or presents neoplastic disease such as (non)functional (para)thyroid adenoma or carcinoma. Ectopic lymphatic tissue with metastatic disease is a consideration as well. Ultrasound guided FNA sampling can be performed as advanced diagnostic tool.

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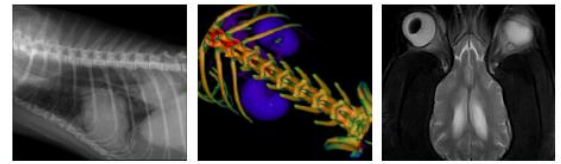
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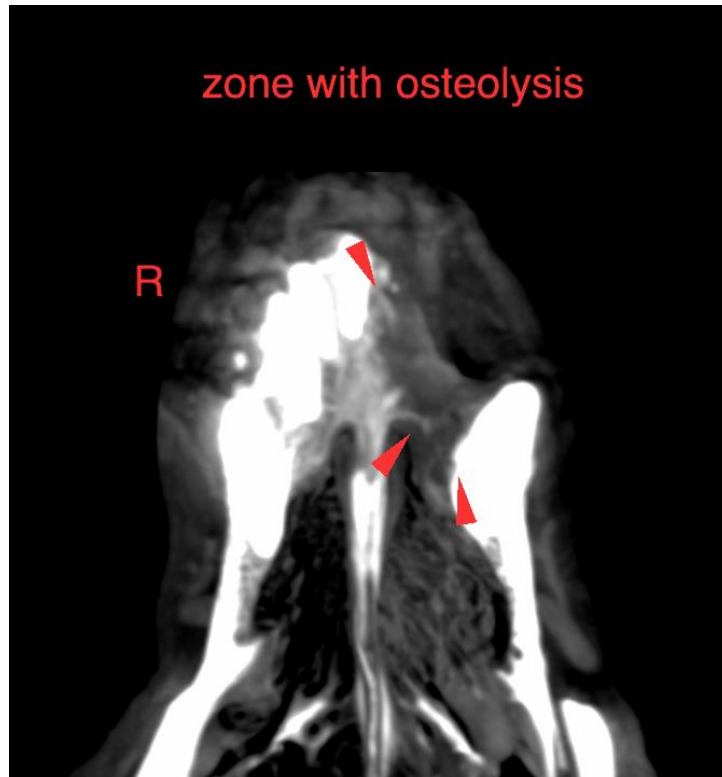
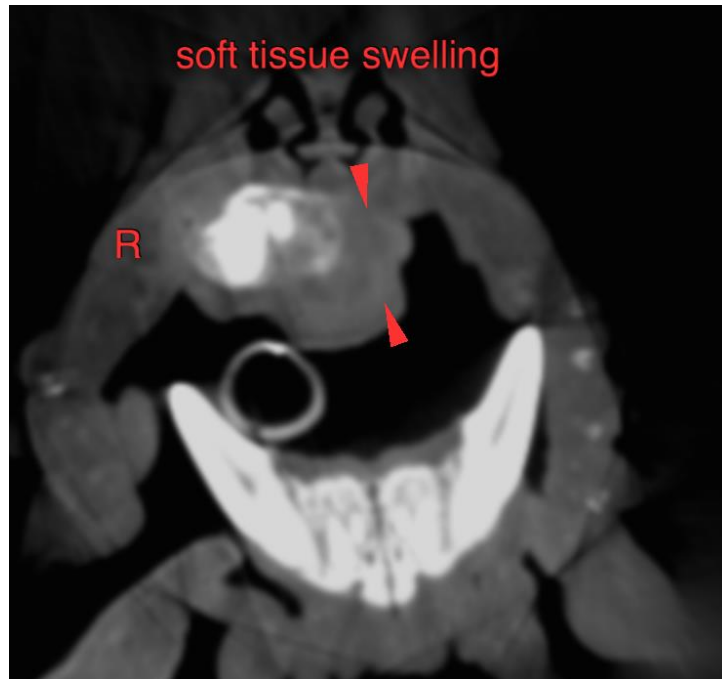
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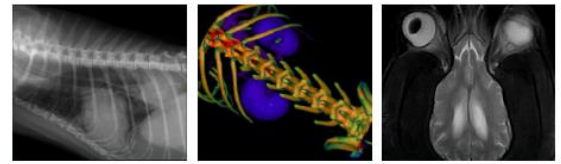
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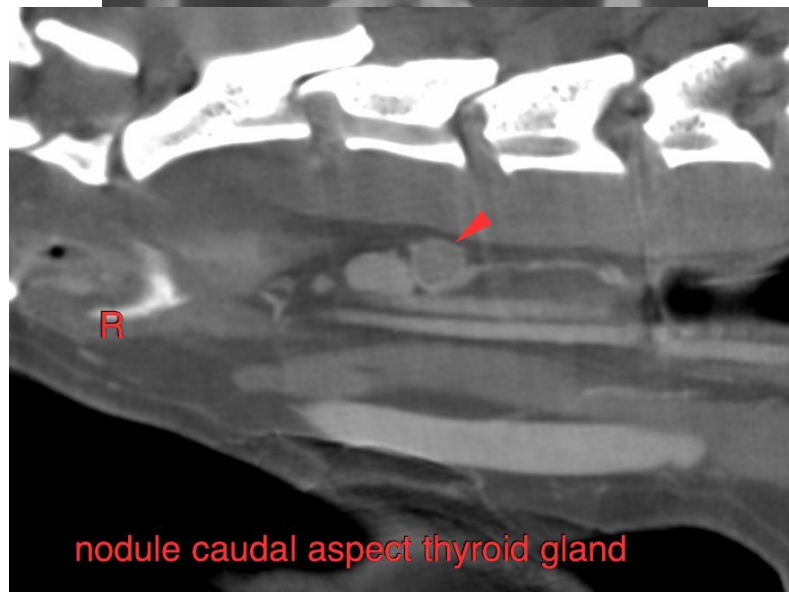
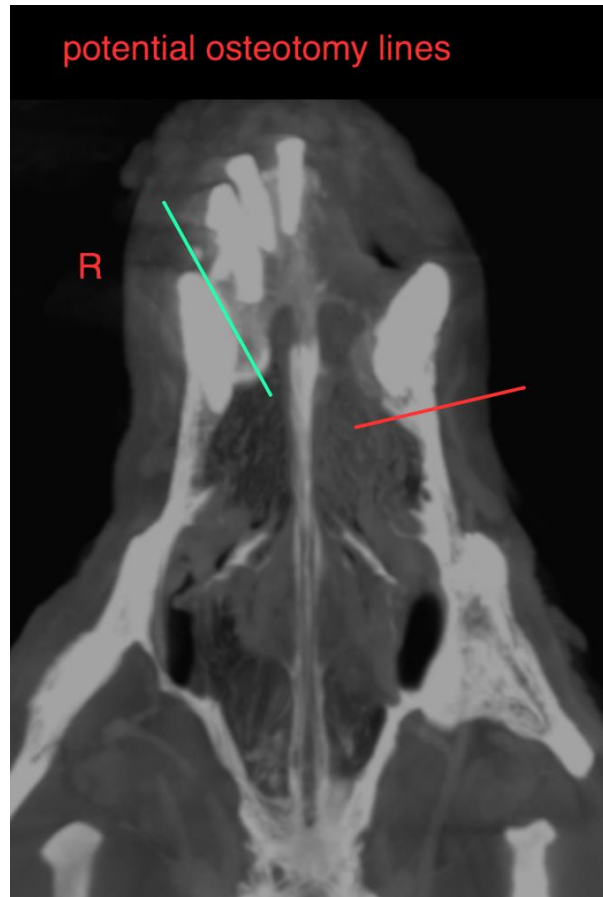
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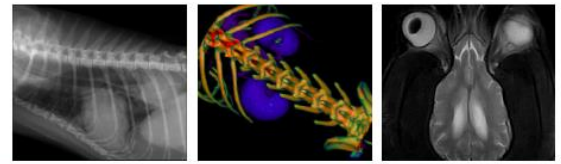
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

SPECIES

Canine

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