



PATIENT PRESENTING CLINICAL SIGNS

Bentley McDonald Oral Mass.

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

SPECIES Plain and post contrast study of the head and post contrast study of the thorax available for review.

Canine

COMPUTED TOMOGRAPHIC FINDINGS

BREED Head

Maltese A nodular soft tissue mass is seen emanating from the gingivostomal margin of the incisor portion of the left mandible. The mass measures approximately 7mm in height, 6mm in width, and 6mm in length. Uniform contrast enhancement is noted. There is regional bone loss of the incisor portion of the mandible.

SEX

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The triadans 301-303 are absent.

AGE

8 Years

Multifocal periodontal disease is noted with an oral-nasal fistula at the triadan 204. Regional turbinate destruction and mucosal swelling are seen in the adjacent portion of the left nasal cavity.

Severe signs of periodontitis are also seen at the triadans 109, 110, 207, 209, 210, 310, 408, & 410.

The regional lymph nodes present within normal limits.

INTERPRETED BY

Nele Eley (Ondreka),
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Moderate thickening of the epithelial lining of the bilateral external auditory meatuses is noted with increased contrast enhancement.

The left retropharyngeal lymph node is mildly enlarged.

Thorax

HOSPITAL NAME

Mobile Pet Imaging
CFL

Mild collapse of the cervical and thoracic trachea is seen.

There is generalized dilation of the cervical and thoracic esophagus with gastric aerophagia.

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

REFERRING VET

Xavier Meaux

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.

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

INVOICE

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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.

DATE

8-14-23



PATIENT **COMPUTED TOMOGRAPHIC DIAGNOSIS**

Bentley McDonald

- Left rostral mandibular gingivostomal soft tissue mass with regional osteolysis.
- Multifocal periodontal disease with oral-nasal fistula and regional destructive rhinitis associated with the triadan 204.

SPECIES

Canine

- Mild left medial retropharyngeal lymphadenomegaly.
- Dynamic tracheal disease.
- Esophageal dilation.
- No evidence of pulmonary metastases.
- Bilateral otitis externa.

BREED

Maltese

SEX

IM

AGE

8 Years

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a rostral left mandibular gingivostomal soft tissue mass with regional osteolysis. Ameloblastoma, oral fibrosarcoma, melanoma, and squamous cell carcinoma are potential differential diagnoses. Benign epulis is considered less likely but cannot be ruled out entirely. Final diagnosis will require histology.

Note the presence of multifocal periodontal disease with oral-nasal fistula level with the triadan 204. Dental revision with extraction should be considered.

The lymph node changes are compatible with reactive lymphadenitis. Early metastatic disease cannot be ruled out entirely. FNA of the left medial retropharyngeal lymph node is recommended for further definition.

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The esophageal dilation is likely a consequence of the general anesthesia and aerophagia. Megaesophagus cannot be ruled out entirely but is considered unlikely.

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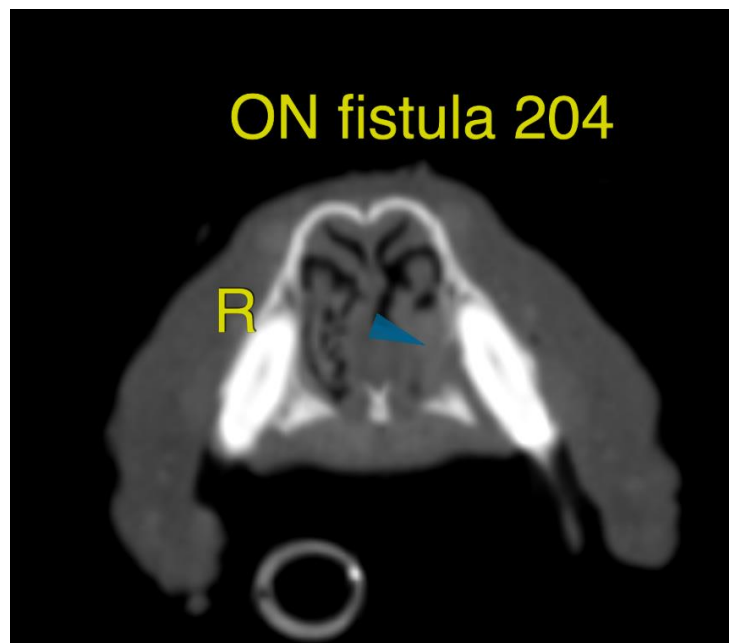
Xavier Meaux

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PATIENT

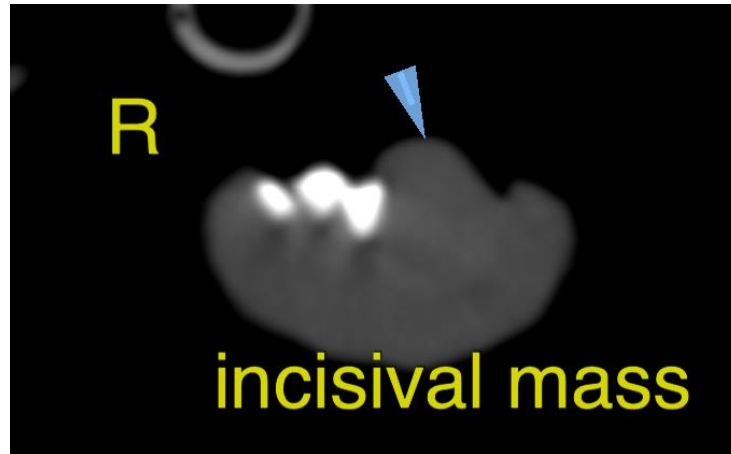
Bentley McDonald

SPECIES

Canine

BREED

Maltese



SEX

IM

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

AGE

8 Years

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.

INTERPRETED BY

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