



PATIENT

Mister Cuskelly

SPECIES

Feline

BREED

Domestic Shorthair

SEX

MN

AGE

14 Years, 3 Months

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

State Avenue Vet
Clinic

REFERRING VET

Dr. Jessie Evoniuk

PRESENTING CLINICAL SIGNS

O noticed swelling on side of face, thinks its tooth related Seems very thin now Mostly outdoors E/D- O has been giving very soft food, seems to be eating that well PE notes: General Appearance: QAR, lethargy and depression; BCS 4/9 CRT/MM: WNL Eyes: geriatric iris changes, enucleated OD Ears: No exudate observed, no redness present Oral Cavity: golf-ball-sized flatulence and swelling in the right side of cheek, got 6ml purulent discharge; severe ulcerative and proliferative lesion with stomatitis, gingivitis and thickened area in the right mandible, some teeth are missing, some tooth destruction Nasal Cavity: No nasal drainage, nares WNL Cardiovascular: Regular rhythm; no murmur detected Respiratory: Lungs auscultate clear bilaterally; trachea clear Abdomen: Abdomen palpates normally; no pain, tenderness or masses on palpation Rectal: Did not perform rectal exam Musculoskeletal: generalized sarcopenia Integument: Normal amount of shedding; skin/coat WNL, recently shaved Lymph Nodes: Lymph nodes normal in size Urogenital: External genitalia appears normal Neurologic: No apparent abnormalities noted Assessment: external abscess, oral ulcerative gingivitis stomatitis RO neoplastic vs dental dz-related issues given convenia and buprenorphine in the clinic FIV/FeLV- both negative
Abnormal PE/Chem/CBC/UA Results: AMY 1683 *U/L, BUN 8 * mg/dL, GLU 175 * mg/dL, K+ 3.4 * mmol/L, TP 8.4 * g/dL, WBC 32.73 10⁹/l, NEU 28.97 10⁹/l, RBC 7.49 10¹²/l, HGB 9.7 g/dl

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain study available for review.

COMPUTED TOMOGRAPHIC FINDINGS

Severe soft tissue swelling is noted in the right side of the face circumferential to the right mandible. Expansile aggressive osteolysis with large cortical bone defects and sunburst periosteal new bone formation is noted throughout the entire right mandibular body blending into the ramus of the mandible.

The dentition is incomplete. Most teeth are absent. Severe periodontal disease of the remaining bilateral maxillary molar teeth is noted.

There is bilateral obliteration of the tympanic bullae with fluid attenuating material more pronounced on the left hand side.

Severe right hand sided submandibular lymphadenomegaly appears to be present, however, assessment of the soft tissues is limited on this plain study.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Monostotic aggressive osteolytic and osteoproliferative mass of the right mandible.
- Suspect right submandibular lymphadenomegaly.
- Bilateral otitis media.
- Severe periodontal disease - maxillary molar teeth.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with primary osseous neoplasia of the right mandible.



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Osteosarcoma or chondrosarcoma are considered most likely. Round cell neoplasia and soft tissue sarcoma cannot be ruled out entirely but are thought by far less likely. Final diagnosis would require sampling for histology. The findings are unfortunately not compatible with osteomyelitis or other inflammatory/infectious disease.

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The possibility of metastatic spread to the submandibular lymph nodes should be considered. FNA recommended for further definition.

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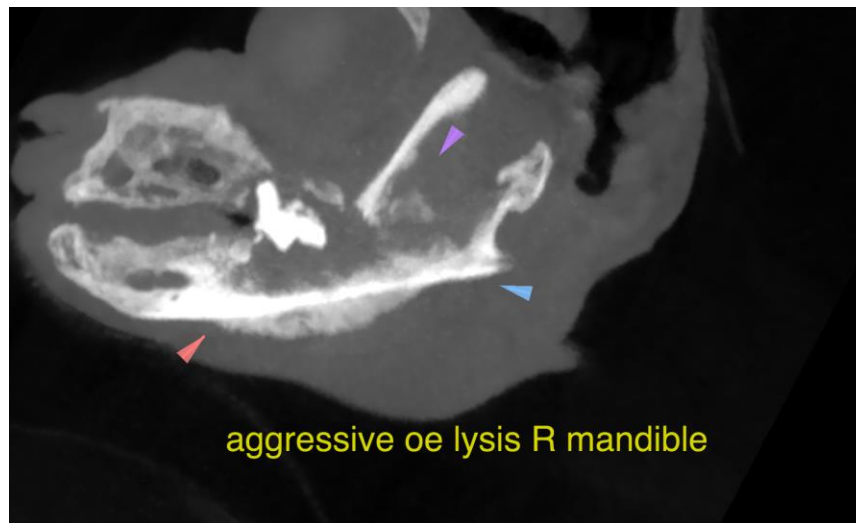
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aggressive osteolysis R mandible

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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.

REFERRING VET

Dr. Jessie Evoniuk

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