



PATIENT

Seattle Leopold

SPECIES

Canine

BREED

Saluki

SEX

MN

AGE

12 Years, 6 Months

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Wilson Veterinary
Hospital

REFERRING VET

Dr. Laura Baumert

INVOICE

48860

DATE

12-7-21

PRESENTING CLINICAL SIGNS

Owner first noted a swelling on the R side top of the head in early September. The swelling progressed to involve the entire R side of the face, causing the R eye to swell shut. At that point pet presented to the ER clinic in early October - was placed on antibiotics and pain control. Severe dental disease was noted and a possible tooth root abscess was discussed. Pet partially responded to antibiotics - the swelling improved on the side of the face, but persisted on the top of the head as it was initially. Within weeks of finishing the antibiotics, the right-sided swelling returned. Owner restarted antibiotics on her own without a DVM recheck and stated that the swelling again improved, but did not resolve. Pet presented for dental w/ extractions today, but a CT was pursued instead.

Abnormal PE/Chem/CBC/UA Results: Soft swelling on R side of head above R eye. When area was incised to take biopsy, copious very viscous fluid drained out leaving a large open area. Biopsy taken of the surrounding tissue and C/S was taken. Tooth 109 was extracted after CT due to severe decay. 108 had significant root exposure but was not extracted due to anesthetic concerns. Pet has a long hx of increased ALP - on Denamarin.

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

A large ill-defined and irregular shaped mass is seen within the caudal and dorsal aspect of the right nasal cavity. The mass causes polyostotic aggressive osteolysis involving the cribriform plate, frontal bone, and nasal bone allowing for extension onto the dorsum of the skull as well as intraorbital, intracranial, and right frontal sinus extension. An extra-axial mass effect onto the frontal lobe and olfactory bulb of the right cerebral hemisphere is seen. Extensive heterogeneous contrast enhancement is noted within large components of the mass; however, the components onto the dorsum of the skull are largely contrast negative with mainly peripheral and multicystic enhancement pattern.

Severe periodontal disease with tooth root abscessation of the triadans 109 and 209 are seen. There also is moderate periodontal disease of the triadans 108 and 208. Severe periodontal disease of the triadan 404 is noted.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Osteolytic mass with aggressive biological behavior within the right nasal cavity with extension into the cranial vault, right frontal sinus, and right orbita as well as onto the dorsum of the nose.
- Multifocal moderate to severe periodontal disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a malignant neoplasia of the skull with intranasal, frontal sinus, intracranial, and orbital extension as well as extension onto the dorsum of the nose. Differential diagnosis includes osteosarcoma, chondrosarcoma, adenocarcinoma, fibrosarcoma, lymphosarcoma, and other. Final diagnosis would require sampling for histology. The fluid attenuating contrast negative components of the mass are likely to represent tumoral necrosis. The long term prognosis is poor unfortunately.



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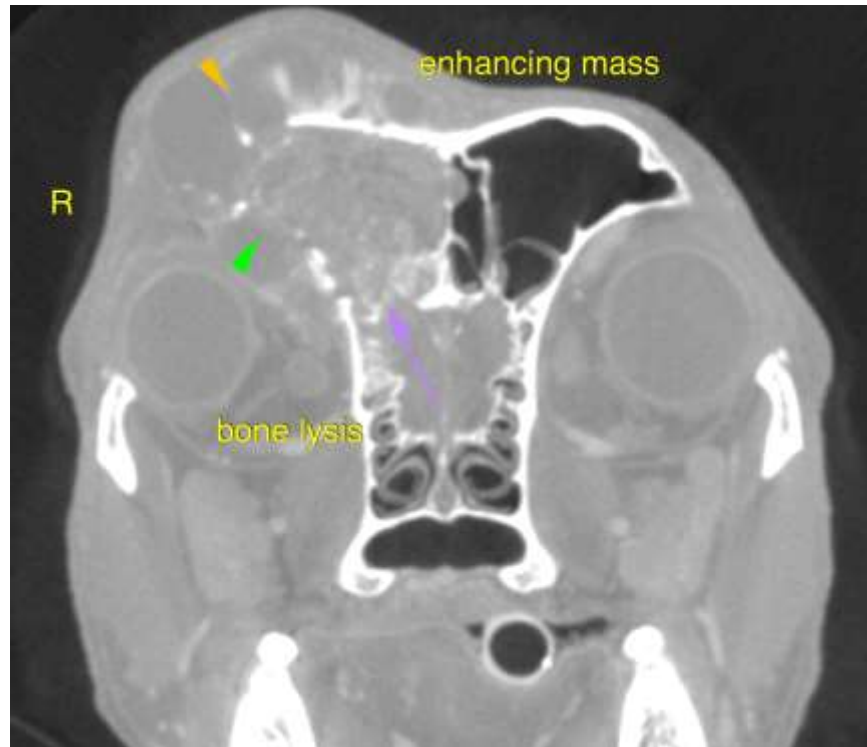
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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