



PATIENT PRESENTING CLINICAL SIGNS

Lucy Andronikides

Lucy is an indoor-outdoor cat; in the last 2-3 months he had problems breathing, he developed green nasal discharge, he developed blisters at the nose, bleeding after rupturing. Family vet treated him with Orbox initially, then Clindamycin, with minimal improvement. X-rays at the local vet didn't show changes, nasal swab culture was taken (bloodwork and culture still pending). Treatment with griseofulvin was started for presumptive fungal infection. Now his nose is clogged and he is bleeding from time to time, also he is not eating, owner has to syringe feed him. No vomiting (just some gagging) or diarrhea.

SPECIES

Feline

BREED

DSH

SEX

SF

AGE

4 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Abnormal PE/Chem/CBC/UA Results: Upper respiratory congestion, facial/periorbital deformity OD abnormal sclera, cornea/anterior chamber WBC 31.14 H 3.5-16.0 103 cells/uL RBC 7.87 5.92-9.93 106 cells/uL HGB 11.0 9.3-15.9 g/dL HCT 38.5 % 29.0-48.0 MCV 48.9 37.0-61.0 fL MCH 14.0 11.0-21.0 pg MCHC 28.6 L 30.0-38.0 g/dL PLT 614 156.4-626.4 103 cells/uL NEUT 26.45 H 2.62-15.17 103 cells/uL NEUT 84.9 % LYMPH 1.32 0.85-5.85 103 cells/uL LYMPH 4.2 % MONO 0.75 H 0.04-0.53 103 cells/uL MONO 2.4 % EOS 2.56 H 0.09-2.18 103 cells/uL EOS 8.2 % BASO 3.93 H 0.0-0.1 103 cells/uL BASO 12.6 % LUC 0.07 0.0-0.2 103 cells/uL LUC 0.2 % 0.0-1.1 CHCM 25.4 L 26.9-33.0 g/dL RDW 17.0 % 14.4-19.4 Remarks: Chemistry Results Reference Range Units Total Protein 7.50 5.7-8.1 g/dL Albumin 2.81 2.5-3.9 g/dL Globulin 4.70 2.8-4.7 g/dL A:G 0.60 0.5-1.2 AST 21.00 14.0-55.0 U/L ALT 17.00 L 27.0-103.0 U/L ALP 12.00 12.0-96.0 U/L GGT 0 0.0-8.0 U/L Total Bilirubin 0.10 0.0-0.4 mg/dL BUN 10.00 L 15.0-35.0 mg/dL Creatinine 0.82 0.6-2.1 mg/dL BUN:Creatinine 12.20 4.0-33.0 Phosphorus 6.30 2.9-6.9 mg/dL Glucose 93.00 60.0-200.0 mg/dL Calcium 9.40 8.6-11.0 mg/dL Magnesium 2.40 1.5-2.5 mEq/L Sodium 150.50 145.0-156.0 mEq/L Potassium 4.80 3.7-5.3 mEq/L Na:K 31.40 28.0-41.0 Chloride 114.00 113.0-123.0 mEq/L Cholesterol 127.00 62.0-341.0 mg/dL Triglycerides 53.00 50.0-100.0 mg/dL Amylase 800.00 280.0-1500.0 U/L CPK 73.00 64.0-510.0 U/L Lipase 114.00 7.0-220.0 U/L LIH Lipemic: Normal Icteric: Normal Hemolyzed: Normal HEM/LIP (++) May ↑MG 10-15% HEM (+++) May ↑AST 25-50% and ↓ALP 25-50% HEM (++++/ABN) May ↑AST/CPK 25-50% and ↓ALP/TBIL 25-50% LIP (++++/ABN) May ↓ALT/AST > 50% Remarks: Owner Patient Species Breed Sex Age Doctor 40422 Andronikides Lucy-40422 Feline DSH Male Neutered 4 Y Ashraf Hussein info@veteklabs.com 480-676-5937 Pg 1 of 2 Endocrinology Results Reference Range Units Total T4 1.30 1.2-4.1 ug/dL Comments: Feline: <0.8 Low 0.8-4.7 Normal 2.3-4.7 Grey zone in old/symptomatic cats >4.7 Consistent with hyperthyroidism Consider adding a free T4 for further assessment. In cats receiving treatment for hyperthyroidism, T4 results are generally in the low normal end of the reference

HOSPITAL NAME

Animal Clinic of Queens

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

REFERRING VET

Dr. Suci

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

INVOICE

51737

DATE

4-25-22

A large irregular shaped and ill-defined soft tissue attenuating mass with heterogeneous contrast enhancement is seen within the right nasal cavity. The mass does not respect the limits of the nasal cavity. Polyostotic aggressive osteolytic changes involving the bony right orbita, right nasal, maxillary, palatinal bones, vomer bone, nasal septum, cribriform plate, and frontal bone are seen and do allow for extension of the mass into the right orbita as well as the cranial vault, left nasal cavity, and nasal fundus. Severe deviation and compression of the right eye is seen. The mass measurements are approximately 5.2 cm in length, 2.8 cm in height, and 3.0 cm in width. The right frontal sinus is occupied with fluid attenuating contrast negative material.

A mild amount of hypoattenuating material is seen within the medial aspect of the left external



PATIENT

auditory meatus. The left tympanic bulla presents swelling of its mucosal lining and thickening of its osseous lining.

Lucy Andronikides

COMPUTED TOMOGRAPHIC DIAGNOSIS

SPECIES

Feline

- Large soft tissue mass within the nasal cavities with aggressive biological behavior and extension into the right orbita and cranial vault.
- No evidence of regional lymphadenomegaly.
- Left sided otitis media and externa.

BREED

DSH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals evidence of malignant soft tissue neoplasia within the right and left nasal cavities with extension into the orbita and cranial vault. An extraaxial mass effect onto the frontal lobes of the cerebrum is noted. There is severe right sided exophthalmos. The right frontal sinus presents obstructive sinusitis. Differential diagnosis includes nasal adenocarcinoma, other carcinoma, lymphosarcoma, and less likely soft tissue sarcoma. Final diagnosis would require sampling for histology. The long term prognosis, however, is considered poor.

SEX

SF

AGE

4 Years

Note the concurrent presence of left sided otitis media and externa. The hypoattenuating material within the medial aspect of the left external auditory meatus may represent debris or a small polypoid proliferation of the epithelial lining.

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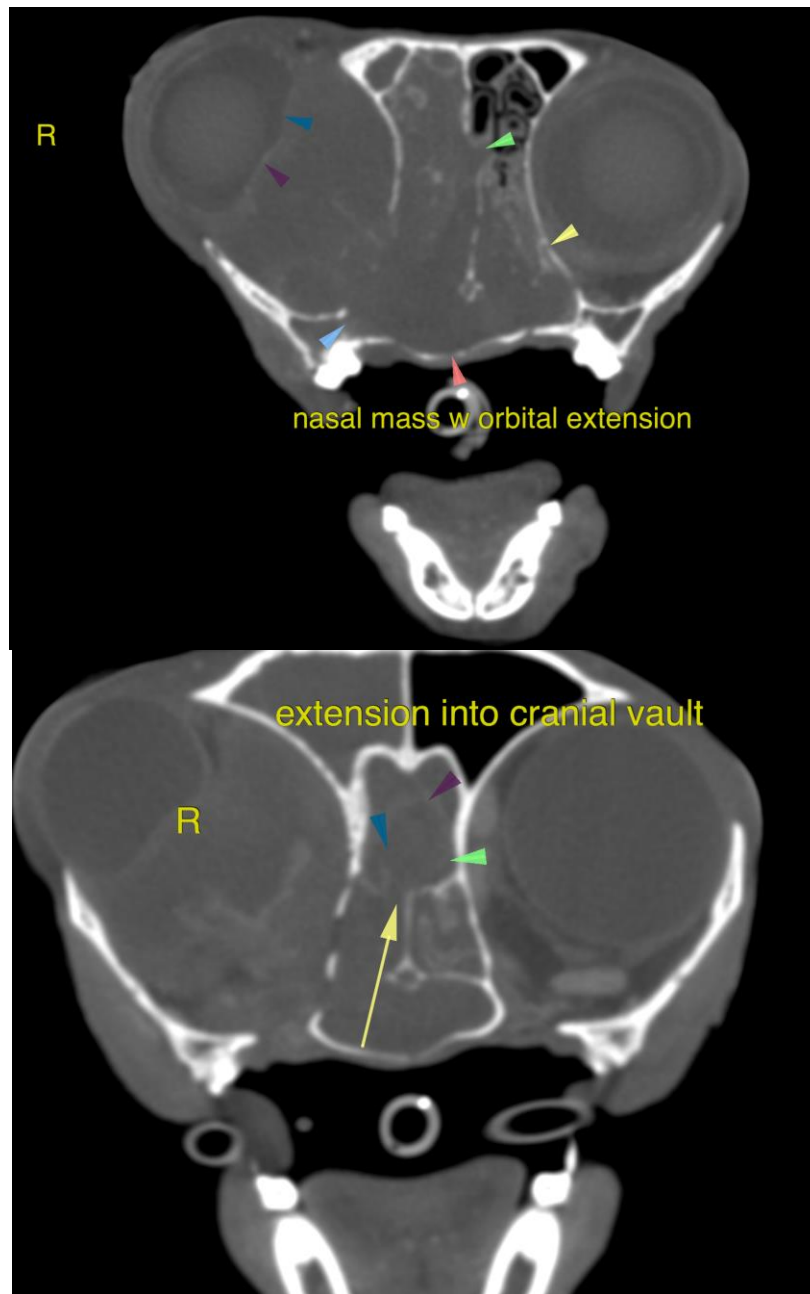
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Feline

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
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