



PATIENT PRESENTING CLINICAL SIGNS

Phinny Gonzalez Presented to ophthalmologist due to swollen right eye. Had dental extractions performed about 8-9 months ago. Heart murmur.

SPECIES Abnormal PE/Chem/CBC/UA Results: OD: profound swelling of third eyelid and inferior palpebral conjunctiva - able to palpate subcutaneous swelling inferiorly adjacent to orbital bone), no view of the globe OS: 2 foci of nontapetal depigmentation - remainder of exam unremarkable
Feline Diagnosis: Suspect neoplasia OD (versus severe FHV 1 or foreign body/inflammatory reaction)

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

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

DSH

COMPUTED TOMOGRAPHIC FINDINGS

SEX Skull

Neutered Male Multiple teeth are absent. Triadan 107&108 present evidence of chronic periodontal disease with tooth root resorption and moth eaten osteolytic lesions of the alveolar bone.

AGE

17 Years Centered on the lateral aspect of the right zygomatic arch, a significant, homogeneous soft tissue attenuating swelling is seen, extending mildly into the lateral aspect of the right orbit. The soft tissue swelling is involving the caudal third of the right upper lip. Post contrast administration, the soft tissue swelling presents an irregular marginated fluid attenuating center, demarcated by an irregular contrast enhancing thick capsule. The swelling is measuring approximately 3.0 x 2.2 x 3.8 cm in size. There is no evidence of osteolysis.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

In the nasal cavity, a mild amount of fluid attenuating material is attached to the nasal 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

Meaux

The right mandibular lymph nodes are prominent.

Thorax

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.

DATE

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

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.



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

Phinny Gonzalez

COMPUTED TOMOGRAPHIC DIAGNOSIS

SPECIES

Feline

- Cavitory ill-defined soft tissue mass right zygomatic region with extension into the right orbit
- Lymphadenopathy right mandibular lymph nodes
- Advanced periodontal disease 107&108 with osteitis of the alveolar bone
- Rhinitis
- Multiple absent teeth
- Structural normal thorax, no evidence of pulmonary metastatic disease

BREED

DSH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Neutered Male

The subcutaneous swelling in the right zygomatic region is highly suggestive for cavitory neoplasia – such as fibrosarcoma, squamous cell carcinoma. Depending on the development of clinical signs, abscess is a differential as well – no foreign material is appreciated by CT. Further definition warrants FNA sampling of the wall and tapping of the cavitory center.

AGE

17 Years

FNA sampling of the mandibular right mandibular lymph node is recommended to check for metastatic spread.

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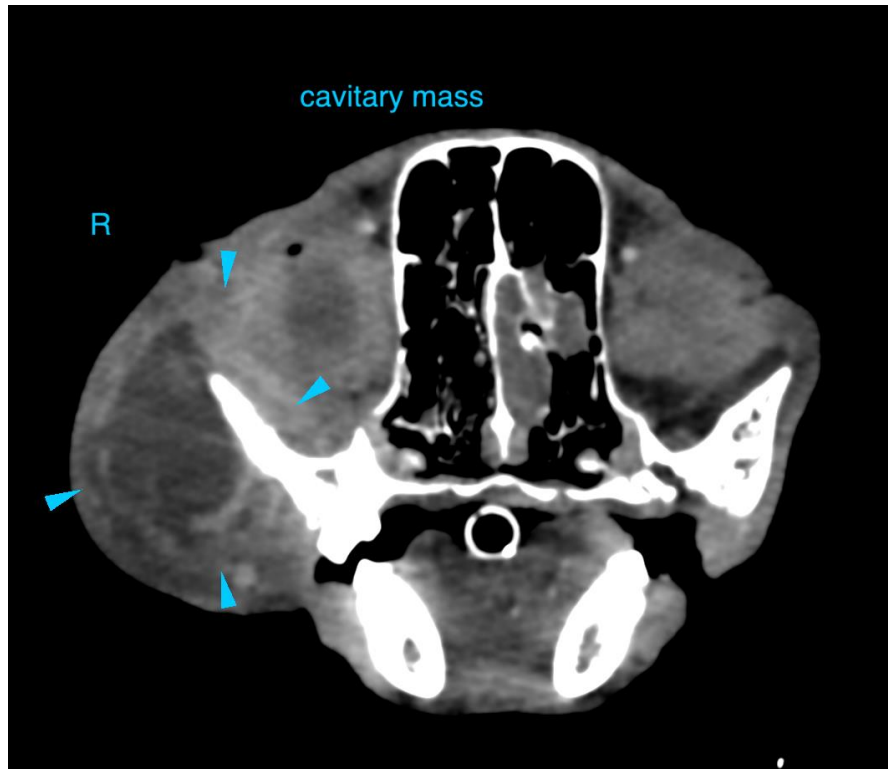
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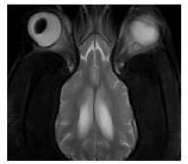
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PATIENT

Phinny Gonzalez

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SEX

Neutered Male

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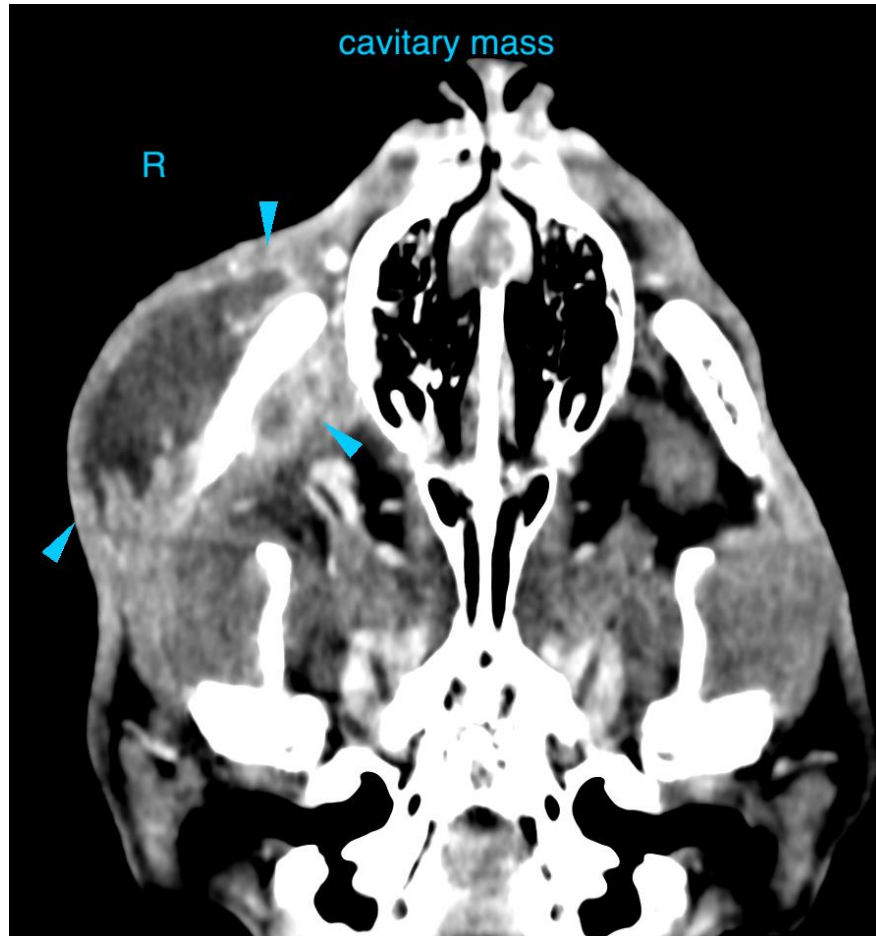
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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