



PATIENT

Gabe Schrank

PRESENTING CLINICAL SIGNS

QAR. Left ear- fluid within the ear canal. Dilated, prominent vessel and opacity within the TM. Mild/mod dark debris. 2+ paired cocci bacteria, epithelial cells R ear- minimal debris, TM appears normal. OS- mod conjunctival redness, staining/tearing and mucoid medial canthus discharge present. Cornea appears clear. Absent menace of the L eye but seemed to sense the movement towards the face. Palpebral absent, no volunteer blinking as compared to the R eye Teeth absent. H/L WNL. BCS 5/9 Chem NSF

SPECIES

Feline

BREED

DLH

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Pre/post contrast studies provided for review.

SEX

Male Neutered

COMPUTED TOMOGRAPHIC FINDINGS

Both tympanic bullae are completely obliterated with soft-tissue dense material. The left side presents marked lysis of the petrosal bone in the transition to the external ear canal beside marked and irregular new bone formation involving the petrosal, sphenoidal and parietal bone. The lesion extends into the horizontal section of the external ear canal, which is poorly defined. There is contrast enhancement detected in the cranial vault and in the course of the left CN V. The peripheral soft tissues reveal marked swelling.

AGE

12 Years, 2 Months

Changes of the right bulla are similar to the left side but less obvious. Lysis/new bone formation is not recognized.

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

Frontal sinuses and the orbital contents are laterally symmetrical without evidence of a retrobulbar lesion. Nasal cavities are ventilated regularly.

HOSPITAL NAME

State Avenue Vet
Clinic

Post contrast images show no pathological enhancement. Soft tissues of the head and neck are symmetrical and of homogeneous density, especially the medial retropharyngeal lymph nodes.

REFERRING VET

Dr. Jessica Evoniuk

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Aggressive lesion of the left bulla/external ear canal with bone lysis, secondary irregular new bone formation, invasion of the cranial vault and soft tissue swelling
- Severe signs of a bilateral otitis media

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CT findings are highly suspicious for a malignant neoplastic lesion of the left bulla/external ear canal. Morphology of the osteolysis and the irregular new bone formation, invasion of the cranial vault, affection of the CN V and the soft tissue swelling represent a highly aggressive lesion. Differentials include but are not limited to squamous cell carcinoma -which I would favor-, and chondro-/osteosarcoma. Biopsy is needed for further evaluation. I would exclude a primary inflammatory lesion/polyps. Invasion of the cranial vault has a bad prognosis. Findings on the

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right are less obvious presenting (chronic) otitis media. Presence of polyps on the right side is possible.

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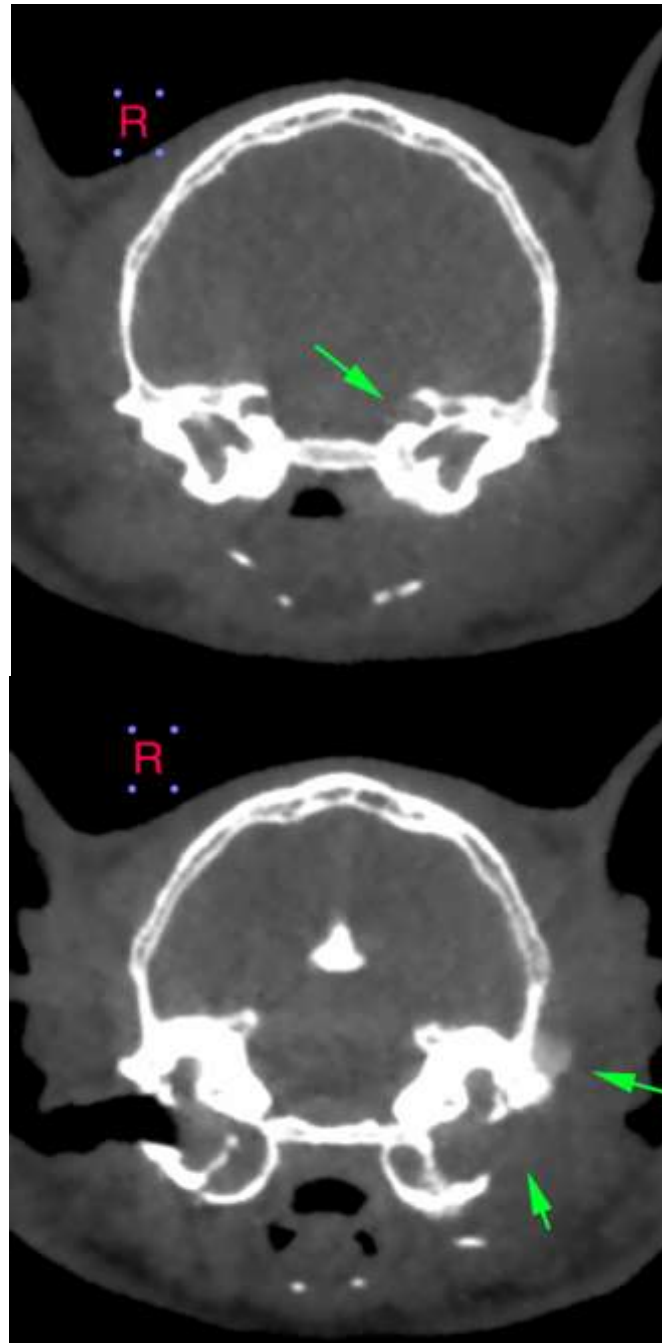
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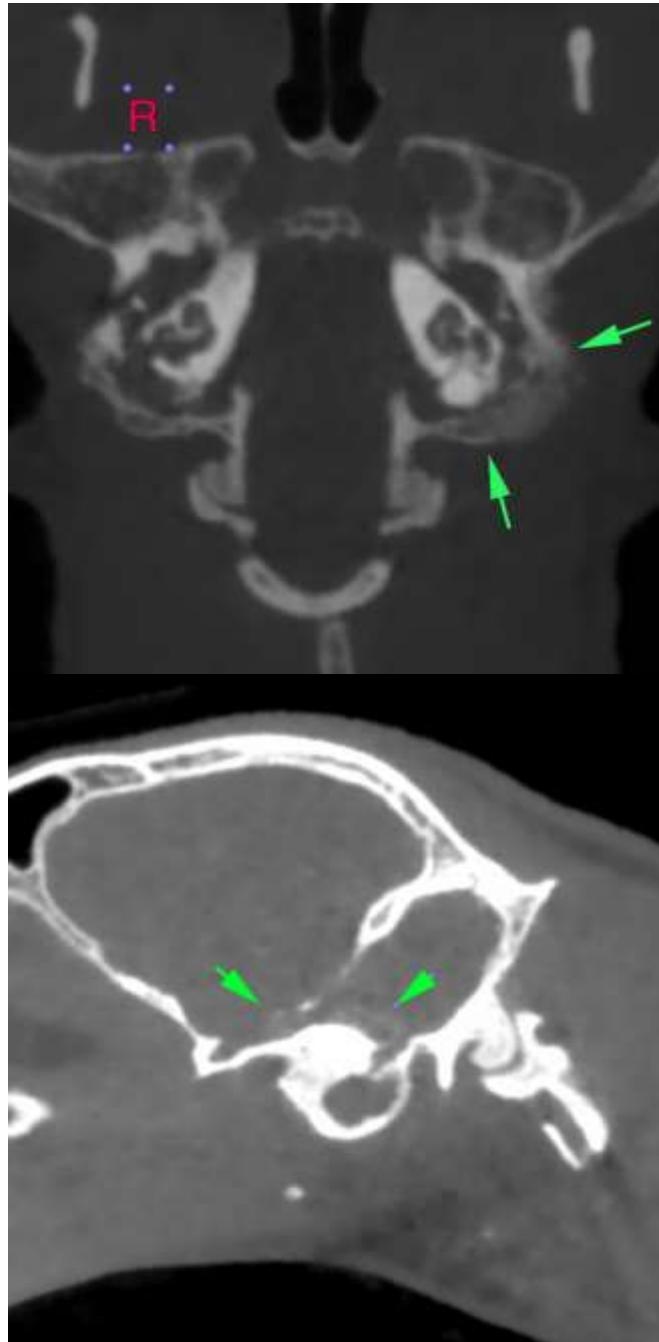
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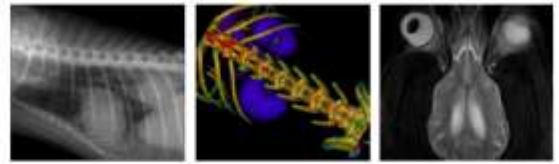
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging
Sebastian.Jawinski@sonopath.com

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