



PATIENT

Rae Clark

PRESENTING CLINICAL SIGNS

Owner is still observing vocalization and pain behavior that is focused around the mouth. It occurs at random times. Rae is on and off eating at times normal. She has not improved after dental xrays, extractions and with steroid trial.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Oral exam revealed pain/vocalization when trying to open the mouth.

COMPUTED TOMOGRAPHIC STUDY OF THE NECK

BREED

Beagle

Plain study of the upper neck available for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

FS

The dentition is not included.

AGE

8

The left tympanic bulla is severely expanded by hypoattenuating material. A mix of osteoproliferative changes and bone loss of the tympanic bulla wall is seen with significant irregularity. The osteoproliferative changes of the left tympanic bulla extend up to the level of the left temporomandibular joint. Thinning of the petrous temporal bone is noted with bone lysis involving the left inner ear. Soft tissue swelling is seen circumferential to the expanded left tympanic bulla. The bulla expansion causes oropharyngeal and nasopharyngeal mass effects. Proliferation of the epithelium of the horizontal left external auditory meatus is seen.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The right external auditory meatus and the entrance to the right tympanic bulla are occupied with hypoattenuating material. The tympanic bulla itself appears to be aerated with smooth osseous lining.

Moderate intervertebral disc space collapse, vertebral endplate sclerosis, and spondylosis, as well as vacuum phenomenon are seen between C5/6 and C6/7.

HOSPITAL NAME

Green Dog Dental and
Wellness

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Dr. Geist

- Hypoattenuating expansion with mixed osteoproliferative and osteolytic changes of the left tympanic bulla involving the inner ear with oropharyngeal and nasopharyngeal mass effect and lysis of the skull base.
- Suspect emerging jaw lock due to osteoproliferative changes emerging from the expanded left tympanic bulla.
- Right and left hand sided otitis externa.
- Chronic intervertebral disc disease C5/6 and C6/7.

INVOICE

59636

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

8-2-23

The CT findings are highly suggestive for tympanokeratoma (cholesteatoma) of the left middle ear which is a nonneoplastic proliferative lesion which typically develops secondary to chronic otitis media. Skull base and inner ear lysis can be observed as well as osteoproliferative changes with jaw lock in the region of the temporomandibular joints in tympanokeratomas commonly. Nevertheless, neoplasia cannot be ruled out entirely as a differential diagnosis and sampling could be considered for further definition. This will likely require open surgery with "ventral bulla osteotomy/ostectomy."



PATIENT

Rae Clark

SPECIES

Canine

BREED

Beagle

SEX

FS

AGE

8

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Green Dog Dental and
Wellness

REFERRING VET

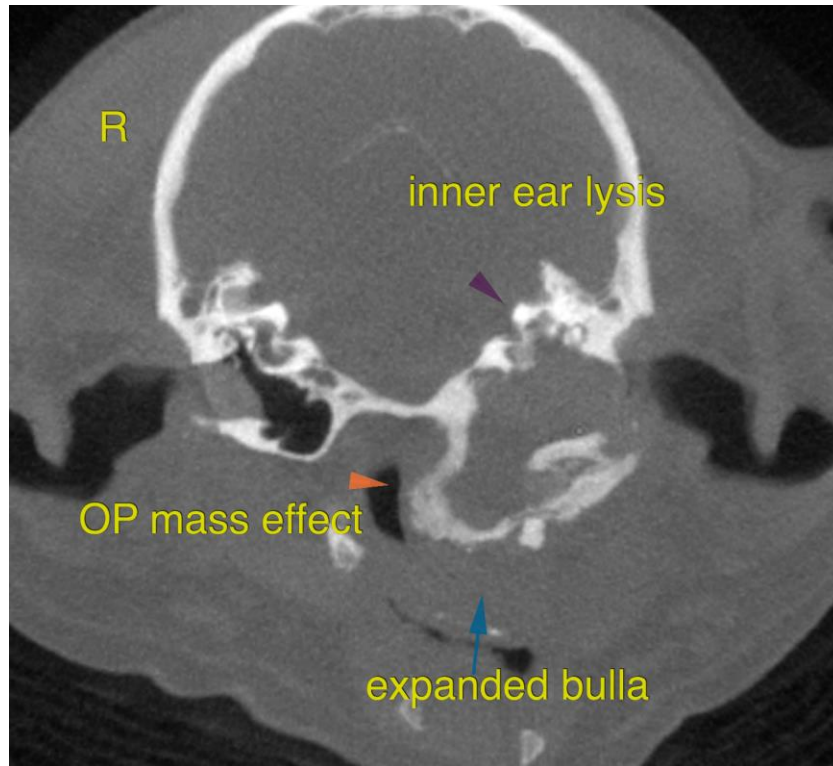
Dr. Geist

INVOICE

59636

DATE

8-2-23



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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
info@sonopath.com