



PATIENT

Deliha Remember Me
Rescue

PRESENTING CLINICAL SIGNS

Deliha presented for possible TECA on right ear due to infection. This was first noted at least 6 months ago. She did not respond to oral/topical antibiotics. She was treated with prednisone and this was discontinued over 1 month ago.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Single post-contrast study available for review.

BREED

Shih Tzu

COMPUTED TOMOGRAPHIC FINDINGS

Severe expansion and lysis of the right tympanic bulla are seen. Most of the osseous lining of the tympanic bulla is lytic with multiple irregular defects. The remaining parts of the osseous lining present severe irregular thickening and expansion. The lumen of the right tympanic bulla is filled with hypoattenuating material mixed with scattered small gas bubbles and mineral attenuating foci. Severe lysis of the skull base and inner ear is seen allowing for intracranial extension with moderate regional meningeal thickening and enhancement.

SEX

Female Spayed

The soft tissues ventral, medial, and lateral of the tympanic bulla are thickened and present increased contrast enhancement.

AGE

5 Years

The right external auditory meatus presents severe thickening of its epithelial lining with complete collapse of the lumen close to the entrance into the tympanic bulla. Moderately increased contrast enhancement of the epithelial lining is seen. A moderate amount of hypoattenuating material occupies the lumen.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The left tympanic bulla and inner ear present within normal limits. A moderate amount of hypoattenuating material is seen within the left external auditory meatus. The epithelial lining of the left external auditory meatus presents moderate thickening and increased contrast enhancement.

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The right medial retropharyngeal, parotid, and submandibular lymph nodes are moderately enlarged.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Severe chronic osteolytic and osteoproliferative expansile otitis media with osteolysis of the skull base and inner ear and intracranial extension with evidence of meningitis.
- Severe right sided chronic otitis externa with ear canal stenosis.
- Moderate left sided chronic otitis external with ear canal stenosis.
- Right sided regional lymphadenomegaly - likely reflecting lymphadenitis.

REFERRING VET

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INVOICE

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Severe chronic right sided otitis media with intracranial extension, lysis of the skull base and inner ear, and concurrent meningitis are seen. The presence of gas and mineral attenuating foci most likely reflects emphysematous otitis and infection of gas forming bacteria should be considered as well as dystrophic mineralization. Trapped air from the ear canal cannot be ruled out as a differential diagnosis. However, this is considered less likely owing to the marked stenosis of the external auditory meatus. The osseous structures of the inner ear have been lost.

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1-31-22



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There is evidence of regional meningitis.

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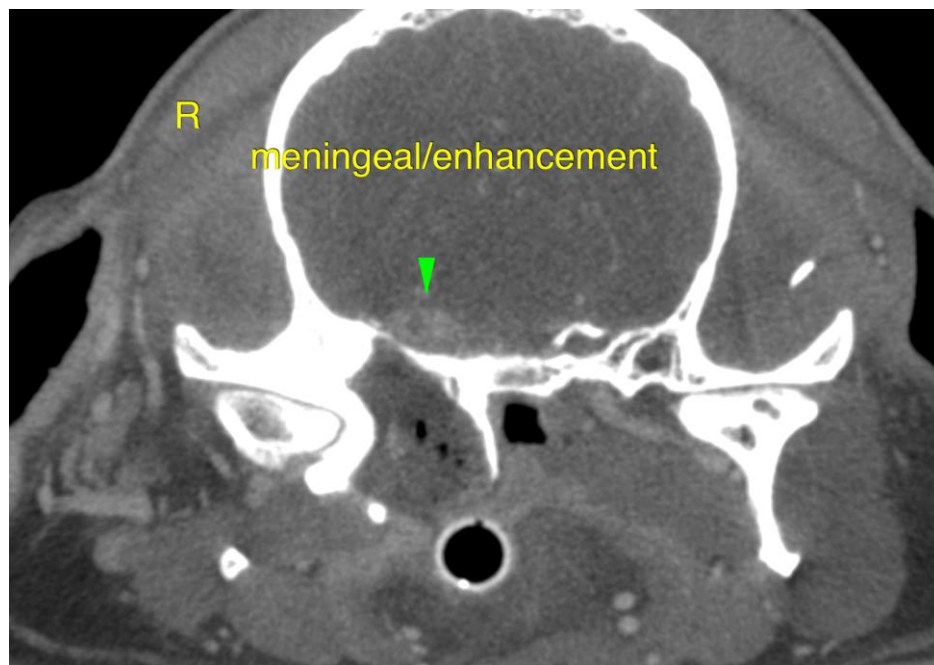
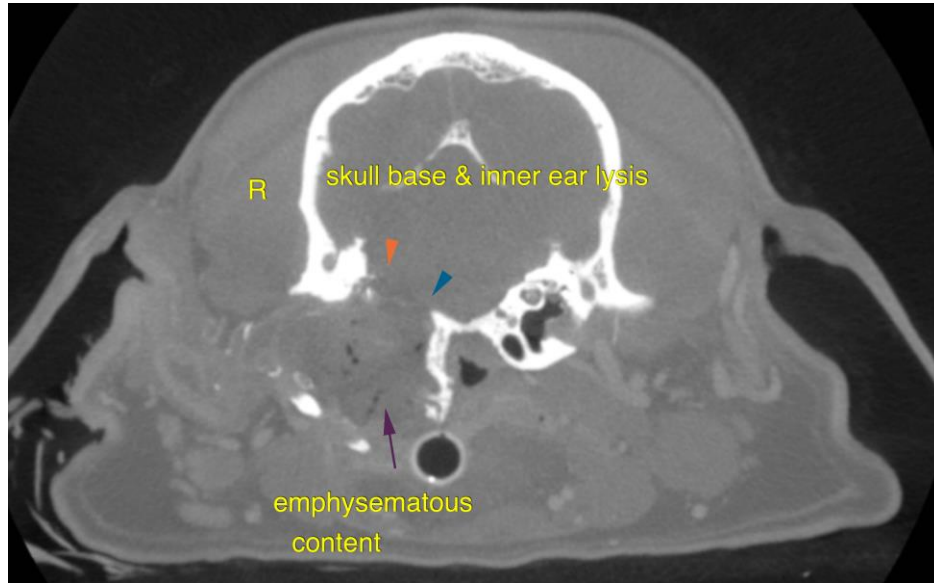
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Canine

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