



PATIENT

Milo Pershau

PRESENTING CLINICAL SIGNS

Bilateral chronic otitis media 2020-episode of ataxia/loss of consciousness and spontaneous resolution Presented for a right teca/lbo
Abnormal PE/Chem/CBC/UA Results: Normal

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

Plain and post contrast studies of the head and post contrast study only of the thorax available for review.

BREED

Pug

COMPUTED TOMOGRAPHIC FINDINGS

Head

SEX

MN

The right middle ear is expanded by a uniformly hypoattenuating mass of approximately 2.5 cm diameter. Marked thinning and multifocal interruption of the expanded wall of the tympanic bulla is seen. Mild peripheral soft tissue swelling with increased contrast enhancement is noted. The mass itself presents peripheral enhancement only. There is thinning of the petrous temporal bone and osseous structures of the cochlea of the right middle ear allowing for early intracranial extension through the thin skull base. A moderate amount of smooth new bone formation is seen circumferential to the base of the tympanic bulla and medial of the right temporomandibular joint. The osseous tragus of the right external auditory meatus presents thickening. A moderate amount of hypoattenuating material is seen within the external auditory meatus and the epithelial lining of the external auditory meatus is moderately thickened.

AGE

11

The left tympanic bulla is filled with fluid attenuating contrast negative material. No changes of the osseous lining are seen. A mild amount of hypoattenuating material is present within the left external auditory meatus. Mild thickening of its epithelial lining is seen.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The right medial retropharyngeal lymph node is mildly enlarged.

HOSPITAL NAME

Northeast Veterinary
Referral Hospital

The dentition is incomplete and typical for a brachycephalic dog. Multiple moderate to severe periodontal changes are seen with extensive multifocal dental resorptive lesions.

The left lobe of the thyroid gland presents within normal limits. The right lobe of the thyroid gland is expanded by the enlarged caudal parathyroid gland which measures 8mm in diameter.

REFERRING VET

Dr. Runde

Thorax

Moderate bilateral shoulder osteoarthritis is noted.

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The surrounding soft tissue structures are within normal limits.

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 are uniform and considered within normal limits.

DATE

4-20-22

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

The endotracheal tube ends within the left mainstem bronchus. The right lung is not aerated and



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presents complete atelectasis. Multiple pulmonary osteomas are seen and considered incidental. There is a mild diffuse bronchial lung pattern.

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

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Right middle ear tympanokeratoma with peripheral cellulitis and potential for jaw lock.
- Right medial retropharyngeal lymphadenomegaly.
- Chronic left sided otitis media and externa.
- Chronic right sided otitis media and externa.
- Right caudal parathyroid gland enlargement compatible with adenoma.
- Atelectasis of the right lung: iatrogenic - otherwise, normal age related lung.
- Incomplete dentition with multifocal periodontal disease and CORL.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with bilateral chronic otitis media and externa with a large tympanokeratoma of the right middle ear. The tympanokeratoma represents a nonneoplastic slowly expanding growth of the middle ear merging from the tympanic membrane with expansile character and is typically benign. Pressure related atrophy leads to early intracranial and impediment of the inner ear in this case.

The regional lymph node changes are compatible with reactive lymphadenitis.

The right caudal parathyroid gland enlargement is highly suggestive for adenoma even though hyperplasia cannot be ruled out entirely.

The CT presentation of the lung was within age related normal limits except for the complete atelectasis of the right lung which is likely due the intubation into the left mainstem bronchus.



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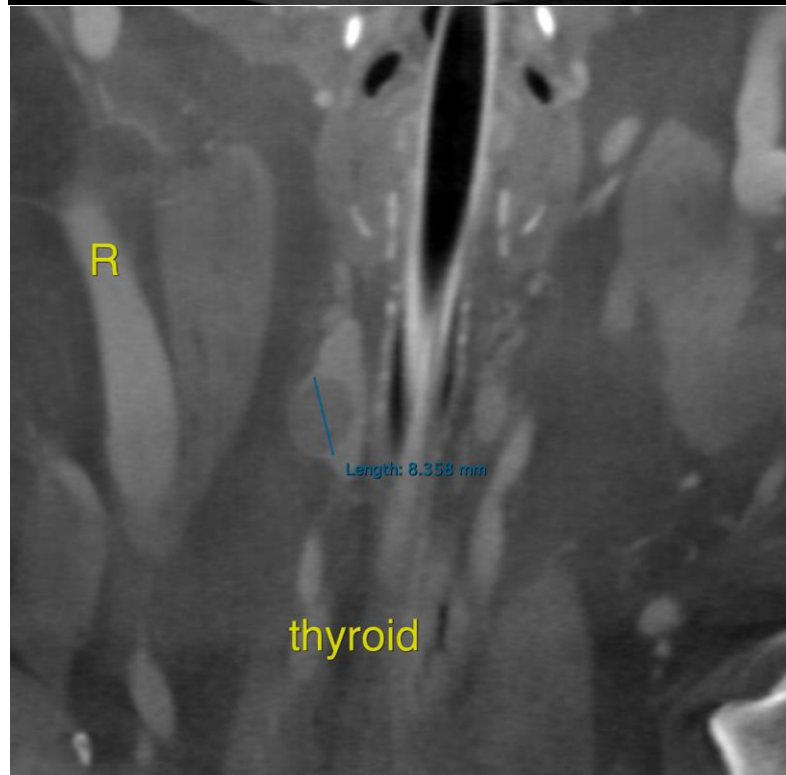
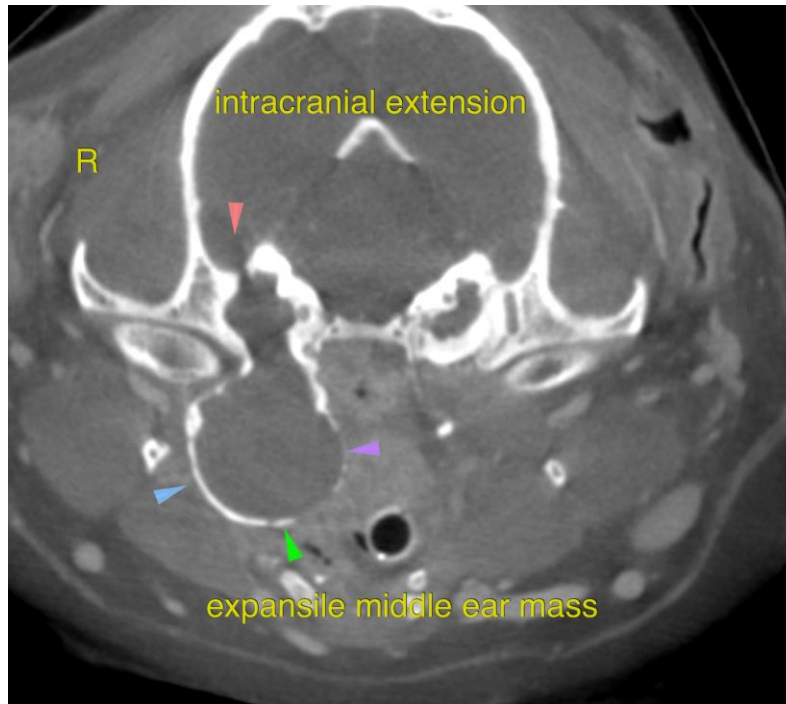
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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