



PATIENT PRESENTING CLINICAL SIGNS

Lois Crocamo Hx. of chronic ear infection in left ear. PE: left ear: mucopurulent discharge inside the left horizontal ear canal.

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

Canine A high resolution plain CT study of the skull, thorax and abdomen is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

BREED Skull

DSH Multiple teeth are absent.

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

SEX Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

FS

AGE The left tympanic bulla is filled with soft tissue attenuating material and the osseous lining is moderately thickened and smooth. Sclerosis of the tympanic part of the left temporal bone is noted. The horizontal segment of the left external ear canal is occupied by soft tissue material.

9 Years

The horizontal segment of the right external ear canal contains a small amount of soft tissue material.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

Thorax

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Multiple small gas inclusions are seen in the subcutaneous tissue dorsal to the thoracic spine – likely secondary to preceding subcutaneous injection.

Multifocal mild spondylosis formation is seen along the thoracic spine.

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5.

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

The lung parenchyma is hypoinflated and the lung parenchyma presents a moderate ground glass attenuation pattern

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

Abdomen

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The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

Both kidneys present irregular margins. A moderate amount of mineral attenuating material is



PATIENT associated with the renal pelvis bilaterally.

Lois Crocamo

The adrenal glands are within normal limits for size, shape and organ architecture.

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma, unremarkable.

SPECIES

Canine

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

BREED

DSH

The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

FS

- Left chronic otitis media with osteitis of the tympanic part of the left temporal bone
- Soft tissue material in the left external ear canal
- Right sided otitis externa
- Chronic nephropathy and nephrolithiasis without signs of mechanical obstruction
- Multiple absent teeth
- Spondylosis deformans
- Dystelectasis of the lung parenchyma – due to general anesthesia

AGE

9 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The findings are fitting the history of left sided otitis externa and there is evidence of chronic otitis media. Be aware that further evaluation if an accompanying mass (e.g. inflammatory polyp) is present is not possible in the plain CT study and will warrant otoscopic evaluation. Depending on presenting clinical signs, ventral bulla osteotomy might be considered.

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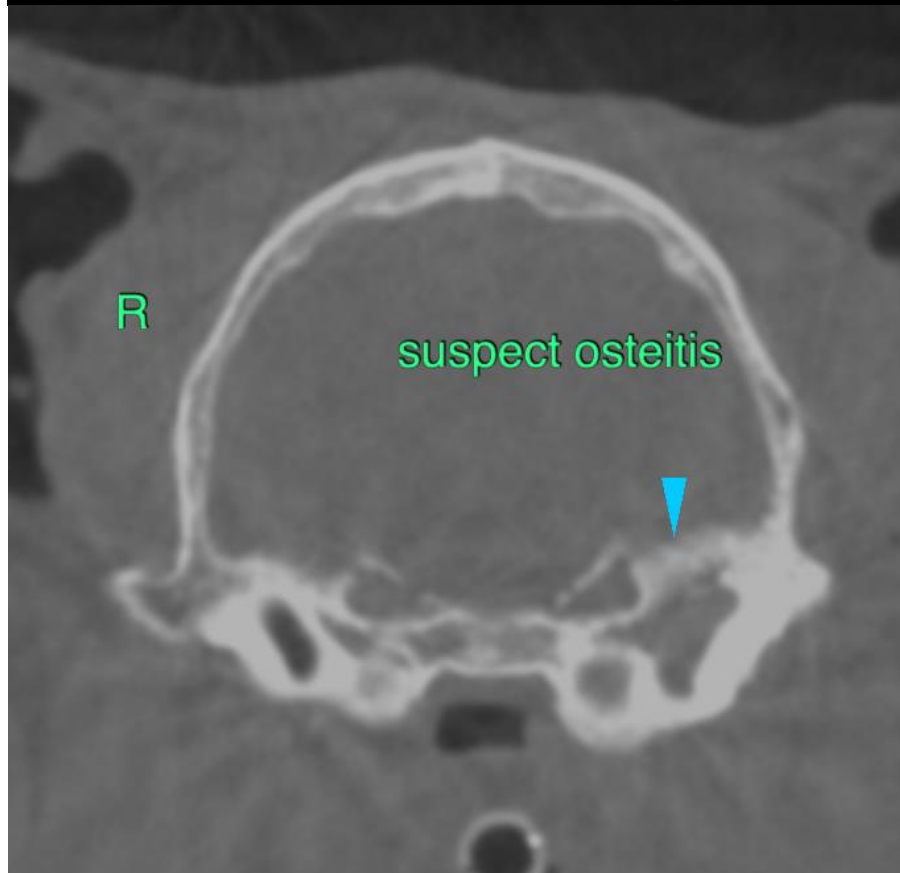
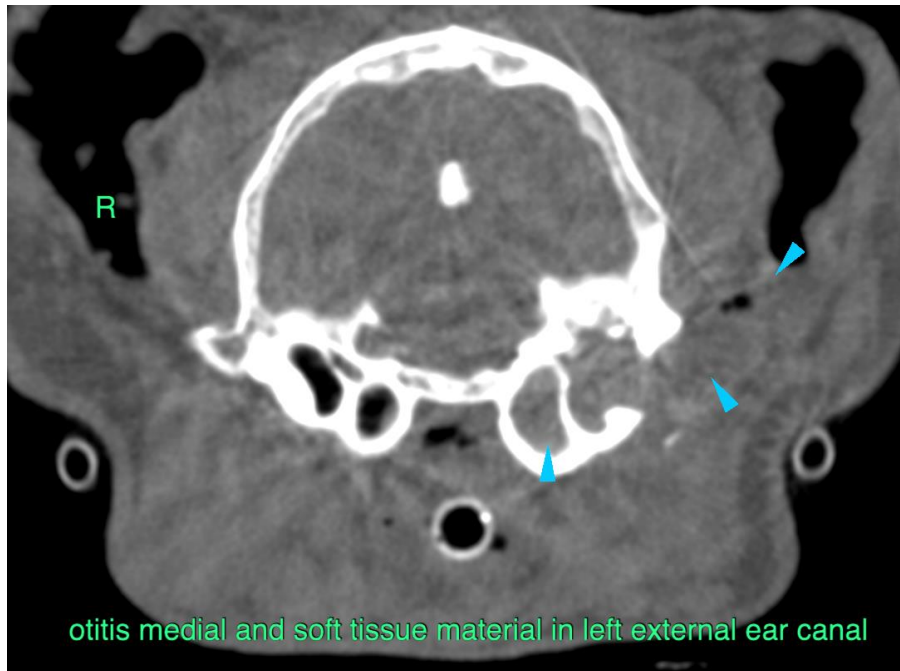
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com