



PATIENT

Harley Bourgade

PRESENTING CLINICAL SIGNS

Harley presented for possible mass near the thyroid on the neck. Owner states that back in november pets bark was sounding weird. At first RDVM stated to monitor. About 2-3 weeks ago pet began to act all funny, not wanting to eat, lethargy.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the skull and abdomen and a post-contrast CT study of the thorax are provided for review.

BREED

Pitbull

COMPUTED TOMOGRAPHIC FINDINGS

Skull

SEX

Triadan 201 is fractured, and the periodontal space is mildly widened.

MN

The middle third of the left nasal cavity is occupied by an expansile, uniform soft tissue attenuating mass. Focal destruction of the nasal conchal & turbinate structures is seen. The perpendicular plate of the left horizontal bone is deviated into the left orbit.

AGE

13 Years

Post contrast administration in the left temporal muscle, a heterogeneous contrast enhancing, ill-defined lesion measuring 2.5 cm in size is visible.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The right parietal & temporal bone present permeative osteolytic lesions.

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

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Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

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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.

Originating from the right thyroid gland, a soft tissue attenuating and heterogeneous contrast enhancing ovoid shaped mass is visible, measuring 4.2 x 4.2 x 11.1 cm in size. The right thyroid mass is merging with the larynx. Level with the right thyroid mass, the trachea is deviated to the left.

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Thorax

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The thorax presents with moderate motion artefacts.



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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 is uniform and considered within normal limits.

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Compression atelectasis of the ventral dependent aspects of the lung parenchyma is visible. Multifocal throughout the lung lobes, well-defined, soft tissue attenuating nodules, measuring up to 1.3 cm in diameter are visible.

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

BREED

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Abdomen

Both kidneys present with variable sized, heterogeneous contrast enhancing mass lesions, measuring up to 8 cm in size, L>R. The retroperitoneal fat surrounding the left kidney presents moderate fat-stranding.

SEX

MN

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

AGE

13 Years

The spleen with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

The hepatic volume is moderately increased and the caudoventral margins are rounded. The hepatic parenchyma is uniform soft tissue attenuating and contrast enhancing.

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

The bony and surrounding soft tissue structures reveal no abnormalities.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Left sided nasal mass
- Right thyroid mass – suspect invasion of the larynx
- Heterogeneous contrast enhancing intramuscular lesion left temporal muscle
- Polyostotic aggressive osteolytic lesions of the calvarium
- Renal masses bilaterally with retroperitoneal effusion
- Structured nodular interstitial lung pattern
- Compression atelectasis ventral dependent aspects of the lung

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

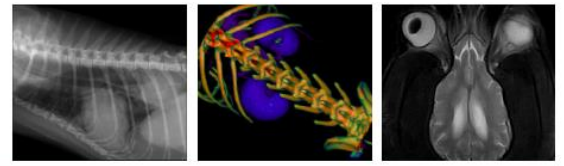
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The findings are consistent with disseminated neoplastic disease – suspect carcinomatosis or round cell tumor – affecting the structures of the skull, abdomen and pulmonary metastatic spread. FNA of the mass lesions can be considered for further definition. Unfortunately, treatment options are limited to palliative management of the patient.

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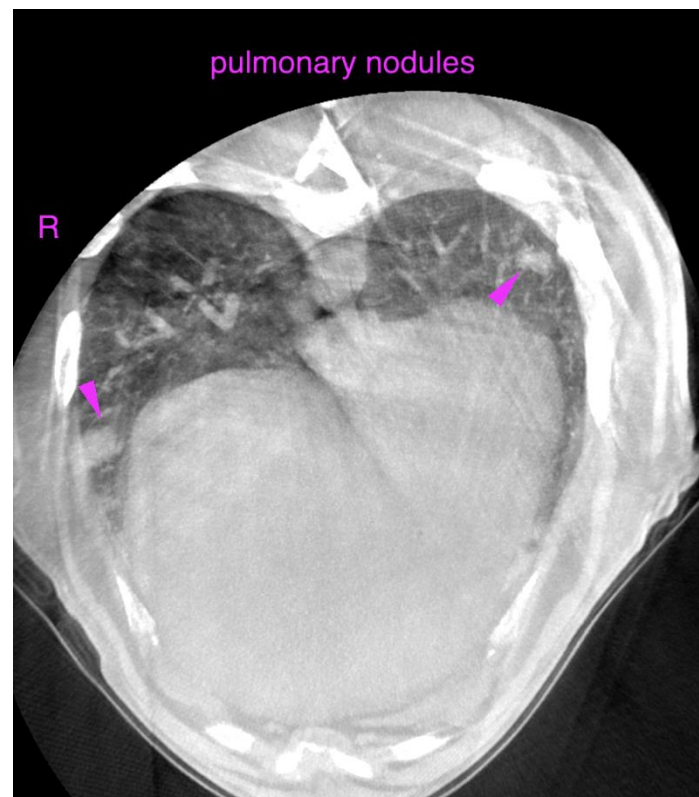
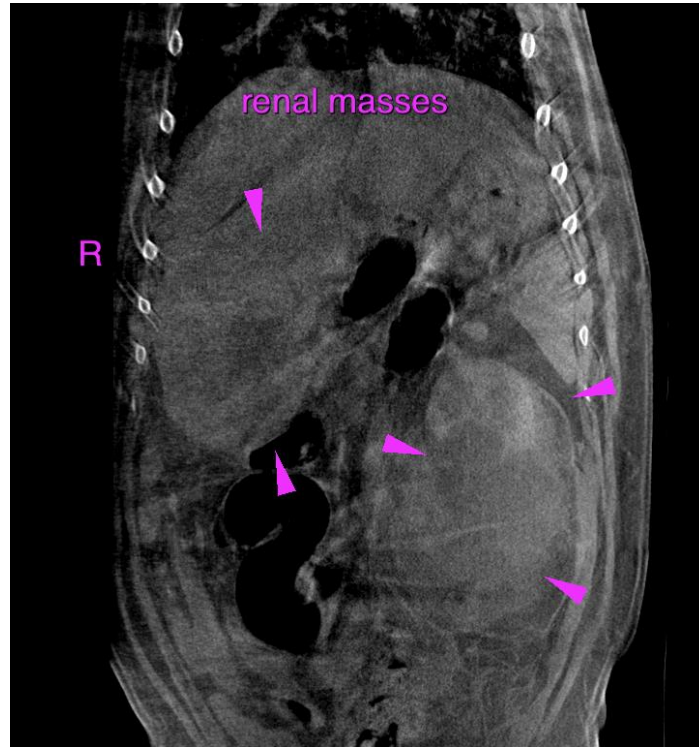
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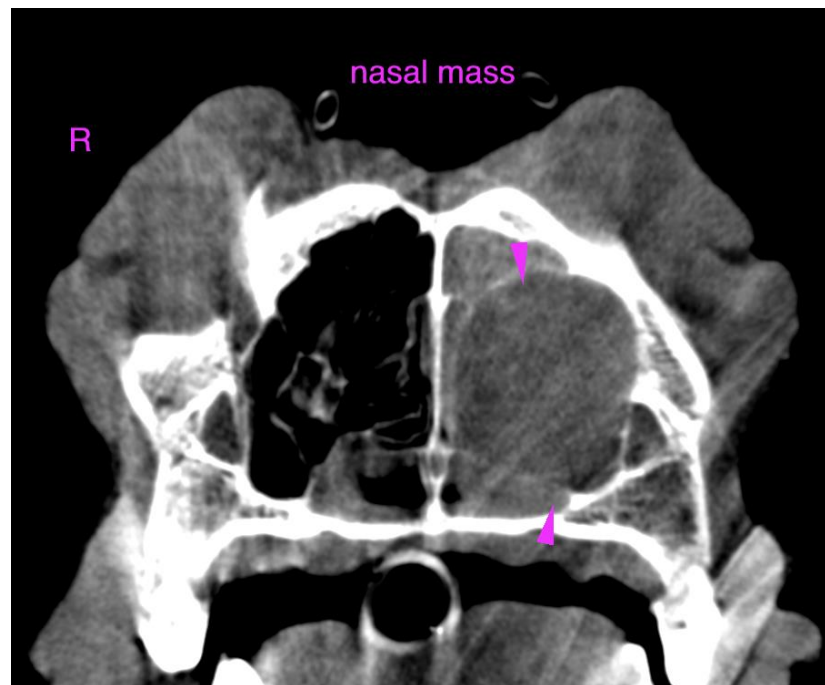
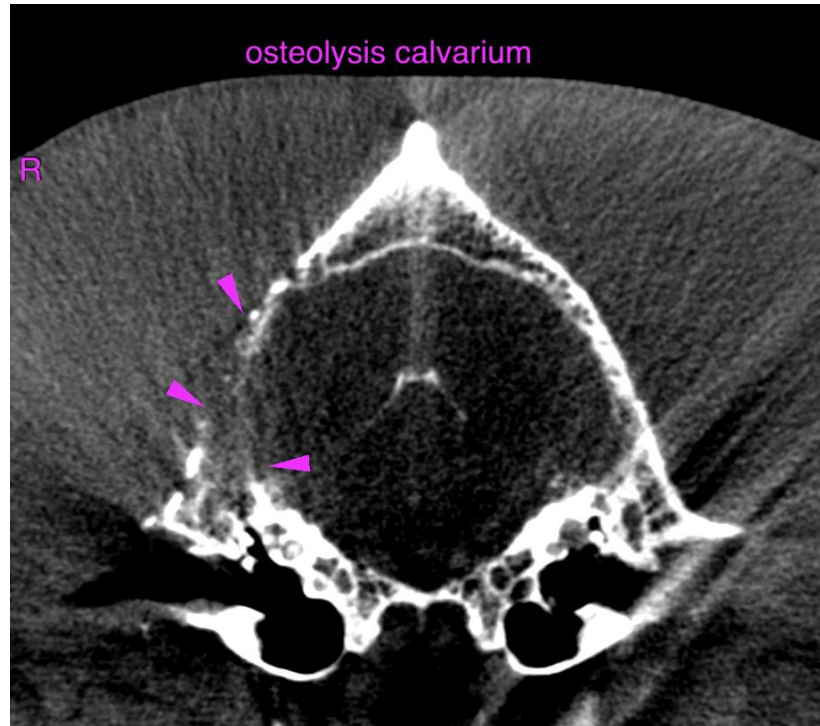
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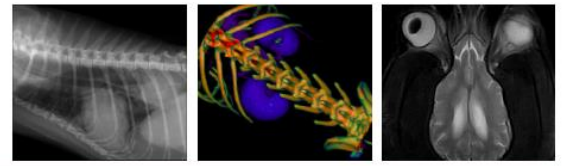
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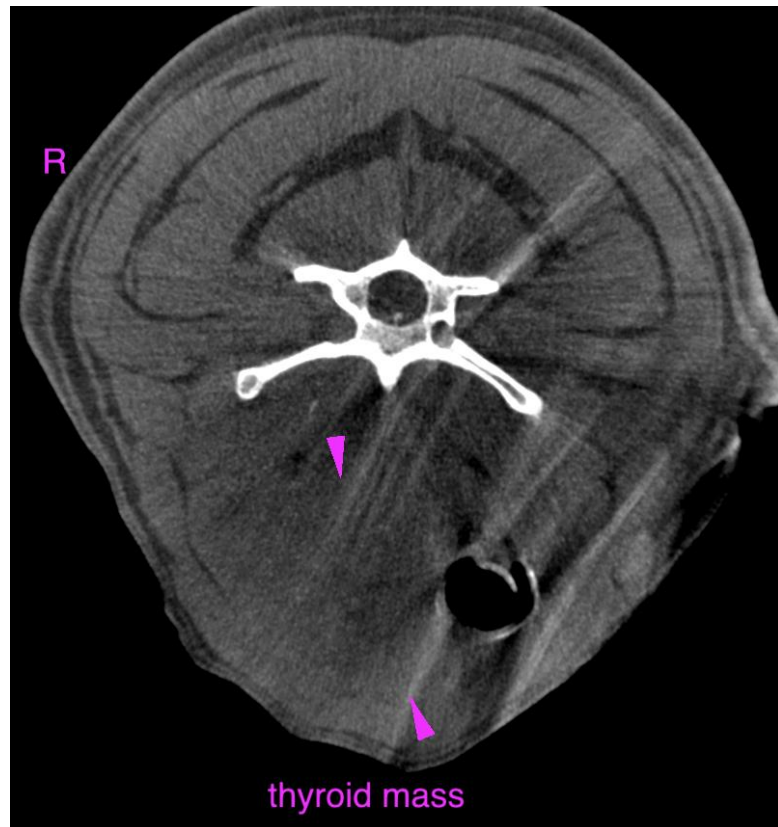
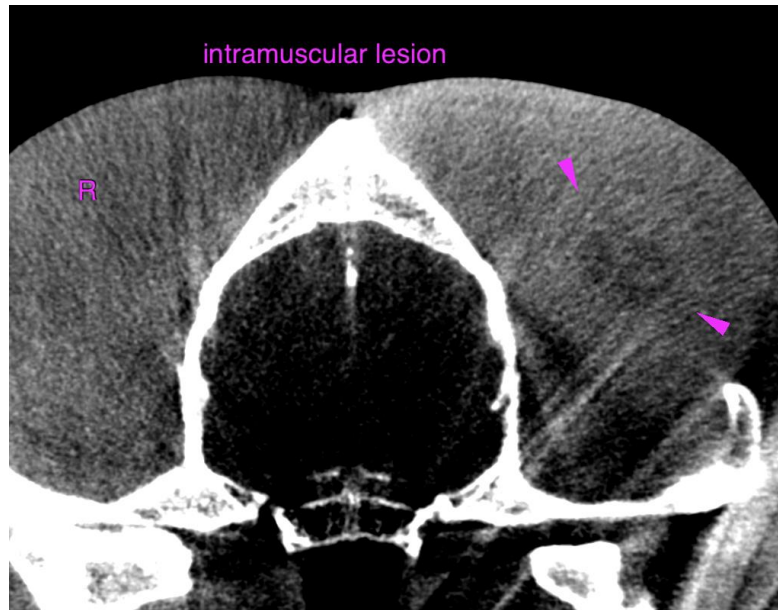
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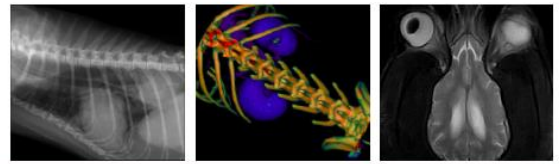
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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