



PATIENT PRESENTING CLINICAL SIGNS

Zeus Clayton Parathyroid / thyroid mass rule out neoplasia Subcutaneous mass

COMPUTED TOMOGRAPHY OF THE SKULL

SPECIES A high resolution pre- and post-contrast CT study of the skull including the neck is provided for review.

Canine **COMPUTED TOMOGRAPHIC FINDINGS**

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

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

German Shepard Mix

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

SEX 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.

MN

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.

AGE

9 Years

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.

INTERPRETED BY

Both thyroid glands are enlarged, measuring 2.8 x 2.7 x 7.1 (right)/3.2 x 2.5 x 4.7 cm (left). The enlarged thyroid glands are uniform soft tissue attenuating and have a mild irregular contrast enhancement pattern with roundish well-defined parenchymal filling defects. Multiple tortuous vessels are seen at the cranial & caudal pole of the thyroid glands with intraluminal filling defects.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

In the prescapular region bilaterally, multiple, well-defined roundish lipomas are seen, measuring up to 6 cm in size.

Animal Surgical
Center

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Bilateral significant thyroid enlargement with intraparenchymal cysts and evidence of vascular invasion
- Multiple lipomas shoulder region bilaterally

REFERRING VET

East Meadow Animal
Hospital

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The odds for neoplastic transformation of the thyroid glands are high and thyroid carcinoma with vascular invasion is the top differential. Potentials can be goiter or thyroiditis, but I wouldn't expect vascular invasion and the odds for these differentials are very low. Recommend FNA sampling or biopsy to confirm the diagnosis.

INVOICE

57495

DATE

3-28-23



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SPECIES

Canine

BREED

German Shepard Mix

SEX

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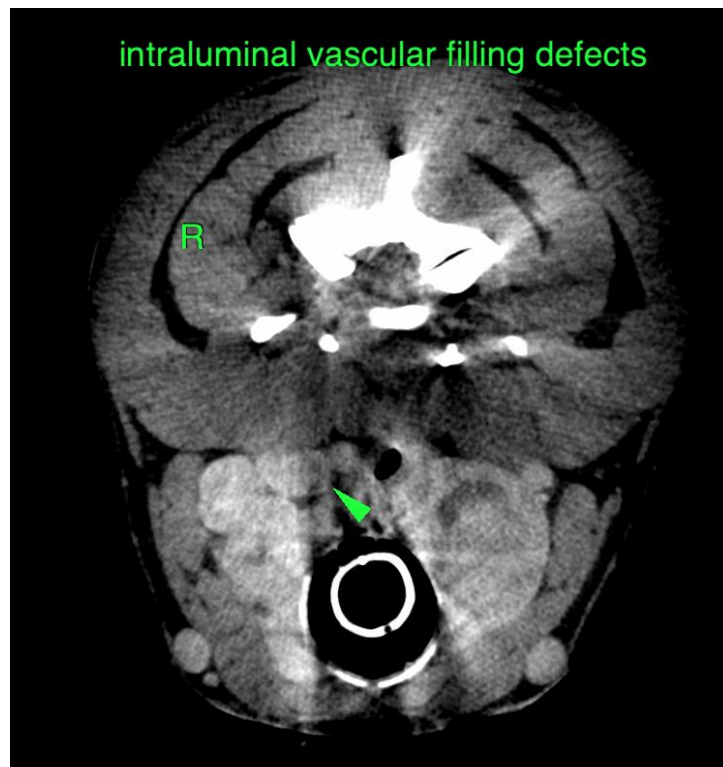
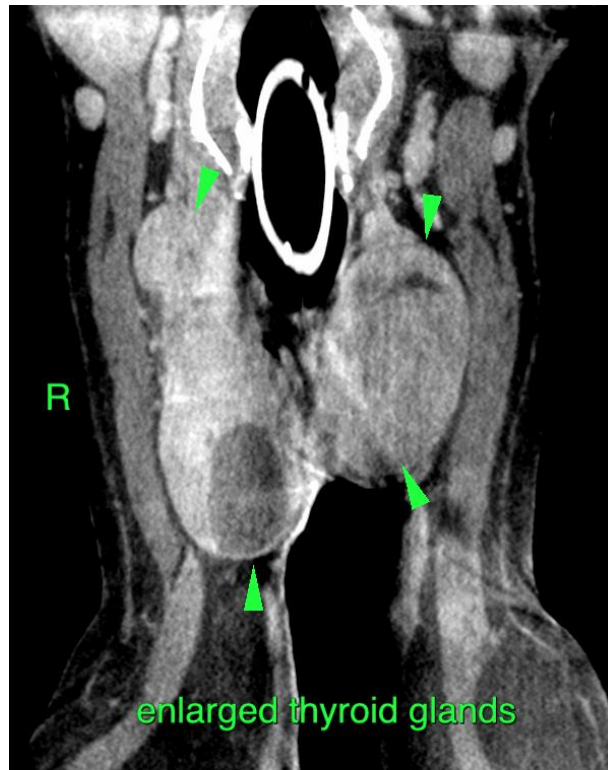
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SPECIES

Canine

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.

BREED

German Shepard Mix

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.

SEX

MN

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