



PATIENT

Bear Lim Xtn Yi

PRESENTING CLINICAL SIGNS

Referral case for CT of thyroid[pre-surgical evaluation] 18/5/2022- owner brought patient for T4 check as recommended by Vet. Submandibular lymph node non-palpable and physical examination non significant finding. T4(Vcheck) 5.49 (>4 is high). Ultrasound revealed mild enlargement but normal echogenicity of thyroid gland. 2/6/2022- owner noticed mild difficulty in feeding medication. T4 (Idexx) normal 30nmol/L. Ultrasound of thyroid- size has increased. Mild submandibular lymph node enlargement.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL & NECK

BREED

Bichon

A pre- and post-contrast CT study of the skull in a bone and soft tissue reconstruction is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Male

The tooth elements 110, 302 and 406 are absent. Triadan 103, 109, 203 and 209 present a mild to moderate widening of the periodontal space. Generalized mild horizontal bone loss is appreciated in all jaw quadrants.

AGE

8 Years

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

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

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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.

HOSPITAL NAME

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The right mandibular lymph nodes are prominent.

The intervertebral disc C3/C4 is mildly protruding into the vertebral canal, distorting the ventral epidural space at the same level.

REFERRING VET

Dr Sivan

The right thyroid gland is measuring 4.7 x 7.1 x 13.9 mm and the left thyroid gland is measuring 4.5 x 3.3 x 20.0 mm in size. The attenuation and contrast enhancement pattern of the thyroid glands are considered normal.

COMPUTED TOMOGRAPHIC DIAGNOSIS

INVOICE

52386

- Mild prominent right thyroid gland
- Moderate periodontal disease 103, 109, 203 and 209
- Generalized mild horizontal bone loss in all jaw quadrants
- Lymphadenopathy mandibular lymph nodes.
- Mild intervertebral disc protrusion C3/C4 with possible dynamic myelocompression

DATE

6-9-22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The clinical relevance of the mild prominent right thyroid gland is unclear and can still present normal anatomical variant. At this point there is no evidence of malignant transformation. Rule out exogenous T4 supply as cause for the mild elevated T4 value as well. Scintigraphy might be



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used to screen for abnormal uptake by the thyroid glands and screen for ectopic thyroid tissue (no abnormal thyroid tissue is appreciated in the current CT study).

The prominent mandibular lymph nodes are suggestive for mild reactive hyperplasia - e.g. secondary to dental disease. The odds for neoplastic transformation are low, however FNA sampling is warranted for further differentiation.

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SEX

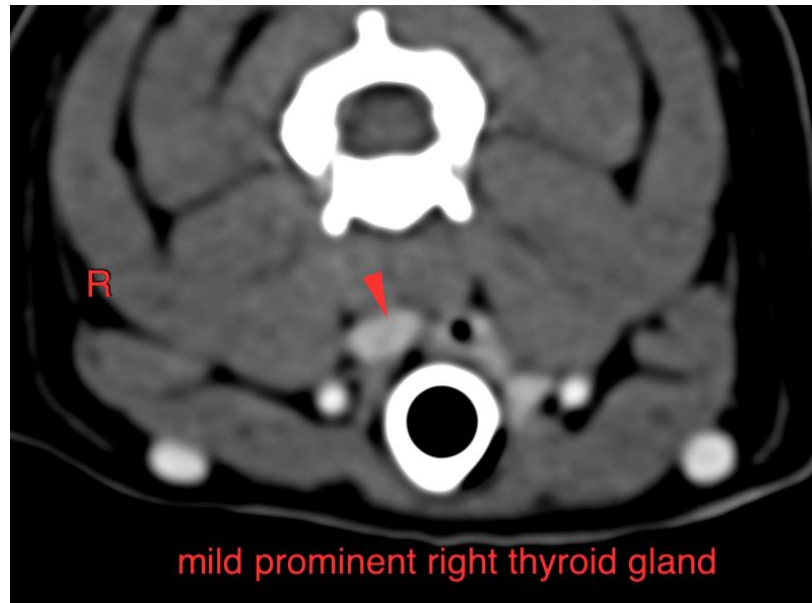
Male

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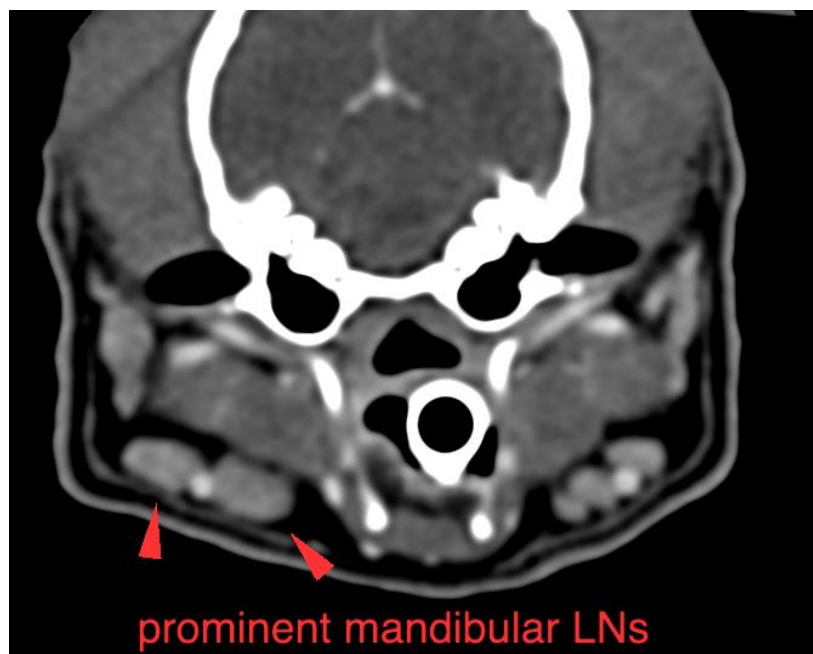
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

BREED

Bichon

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
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