



**PATIENT PRESENTING CLINICAL SIGNS**

Mia Peters Suspect thyroid cyst. Abnormal behavior appreciated in Dec. No change in weight. O palpated mass which is how it was initially discovered. More recently seems more like herself. While sleeping has developed gagging/gurgling noises.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Neck and thorax CT with contrast.

Feline **COMPUTED TOMOGRAPHIC STUDY OF THE NECK & THORAX**

Plain and post contrast studies in soft tissue and pulmonary windows available for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

DLH **Neck**

**SEX** Bilateral and asymmetric thyroid lobe enlargement is seen. The right thyroid lobe measures 1.5 x 0.8 cm and presents heterogeneous contrast enhancement with a cystic lesion of 0.4 cm diameter. The left thyroid lobe measures 2.7 x 1.3 cm and is multinodular in appearance with heterogeneous contrast enhancement.

**AGE** A 3.0 x 1.8 cm sized thin walled cystic lesion is seen cranial to the left thyroid lobe and appears to be connected to the cranial pole of the left thyroid lobe.

11 Years The left medial retropharyngeal lymph node is pushed dorsally. The right medial retropharyngeal lymph node presents within normal limits.

**INTERPRETED BY Thorax**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

Two hypoattenuating ovoid masses are seen in the cranial mediastinum. The more cranial one is seen directly dorsal of the 1<sup>st</sup> and 2<sup>nd</sup> sternebrae in the cranial and ventral mediastinum and measures 1.1 x 0.8 cm. The second one is larger and is seen within the cranial and dorsal mediastinum pushing the caudal vena cava ventrally. It measures 3.0 x 2.2 cm and is positioned to the right of the trachea. Thick peripheral rim enhancement of both masses is noted. No overt evidence of vascular invasion is seen.

**HOSPITAL NAME**

Animal Health Partners

The lung presents a mild generalized bronchial pattern with occasional hyperattenuating interstitial foci. No evidence of interstitial nodules or masses is seen.

**REFERRING VET**

Lea Mehrkens

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Bilateral multinodular thyroid gland enlargement with large cystic lesion emerging from the left thyroid lobe.
- No evidence of retropharyngeal lymphadenomegaly.
- Two cranial mediastinal masses meeting neoplastic criteria.

**INVOICE**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

2-23-22

The CT study reveals bilateral thyroid enlargement with multinodular and cystic appearance. A large cyst is emerging from the cranial pole of the left thyroid lobe. No evidence of regional lymphadenomegaly is seen. Differential diagnosis includes adenomatous and cystic hyperplasia or the thyroid gland versus adenoma and carcinoma.



**PATIENT**

Mia Peters

Differential diagnosis for the cranial mediastinal masses includes ectopic thyroid carcinoma, mediastinal lymphosarcoma, and less likely neoplastic enlargement of the thymus such as thymic lymphoma with mediastinal node involvement. Correlate with the laboratory values and considered sampling for further definition. The cranial mediastinal masses may be sampled under ultrasonographic guidance.

**SPECIES**

Feline

**BREED**

DLH

**SEX**

FS

**AGE**

11 Years

**INTERPRETED BY**

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**REFERRING VET**

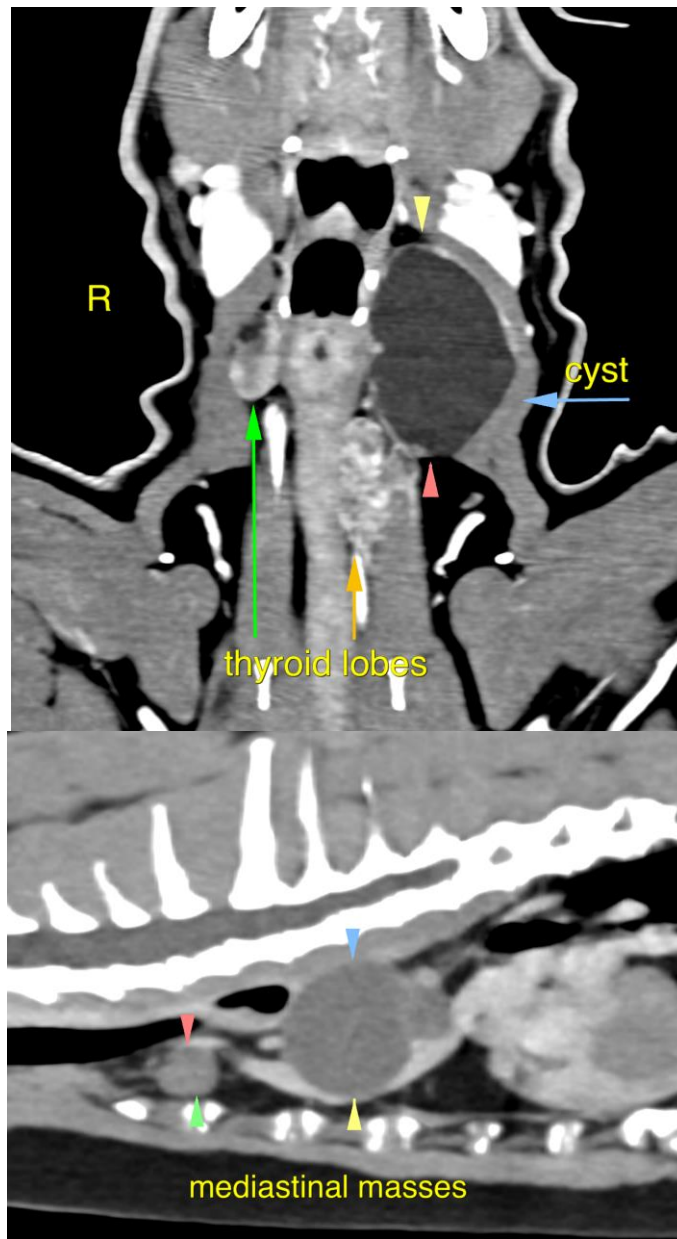
Lea Mehrkens

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**PATIENT**

Mia Peters

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**

Feline

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

**BREED**

DLH

**SEX**

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**AGE**

11 Years

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