



**PATIENT**

Miko Andrews

**PRESENTING CLINICAL SIGNS**

Enlarged mass/lymph node along right neck, concern for invasive involvement. Not actively bothering him.  
 Abnormal PE/Chem/CBC/UA Results: Decreased RBC  $4.62 \times 10^{12}/L$ , HCT 25.8%, HGB 9.1 g/dL, crea 43  $\mu\text{mol}/L$ , urea 2.2  $\text{mmol}/L$ . Increased glob 46 g/L, WBC  $19.33 \times 10^9/L$

**SPECIES**

Canine

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

Plain and post contrast studies of the neck and thorax available for review.

**BREED**

Yorkshire Terrier

**COMPUTED TOMOGRAPHIC FINDINGS**

**Neck**

**SEX**

MN

The right medial retropharyngeal lymph node is severely enlarged measuring 4.0 cm in length and 2.0 cm in diameter. Multifocal mineralization, cavitation, and heterogeneous contrast enhancement are seen. There is a mass effect onto the larynx, trachea, and common carotid artery which are all deviated medially.

**AGE**

12 Years, 1 Month

The right mandibular salivary gland is deviated laterally. A 5mm sized cyst is seen embedded within the parenchyma of the right mandibular salivary gland.

The left medial retropharyngeal lymph node presents within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
 Dr. med. Vet. DipECVDI

No thyroid enlargement is seen.

Dorsoventral collapse of the trachea is noted.

**Thorax**

**HOSPITAL NAME**

Bridgwater  
 Veterinary Hospital  
 and Wellness Centre

Multiple pulmonary interstitial nodules of varying size are seen within the parenchyma of all lung lobes.

The included liver and spleen present multiple hypoenhancing and hyperenhancing nodules scattered throughout their parenchyma as well as diffuse generalized enlargement.

The remainder of the abdominal findings are not described.

**REFERRING VET**

Dr. Fredette

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Severe right medial retropharyngeal lymphadenomegaly with mineralization meeting neoplastic criteria.
- Multiple pulmonary interstitial nodules suggesting metastatic disease.
- Multiple hepatosplenic nodules suggesting metastatic disease.
- Small right salivary gland cyst - not of clinical significance.
- Tracheal collapse.

**INVOICE**

49870

**DATE**

1-26-22

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals severe right medial retropharyngeal lymphadenomegaly meeting neoplastic



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criteria. Owing to the presence of multifocal mineralization, metastatic disease of another primary tumor in the head region in particular carcinoma is one potential differential diagnosis as well as round cell neoplasia infiltrate.

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The pulmonary findings should be considered compatible with metastatic disease until proven otherwise. Similar applies to the liver and spleen. The multiple nodules are highly suggestive for metastatic disease.

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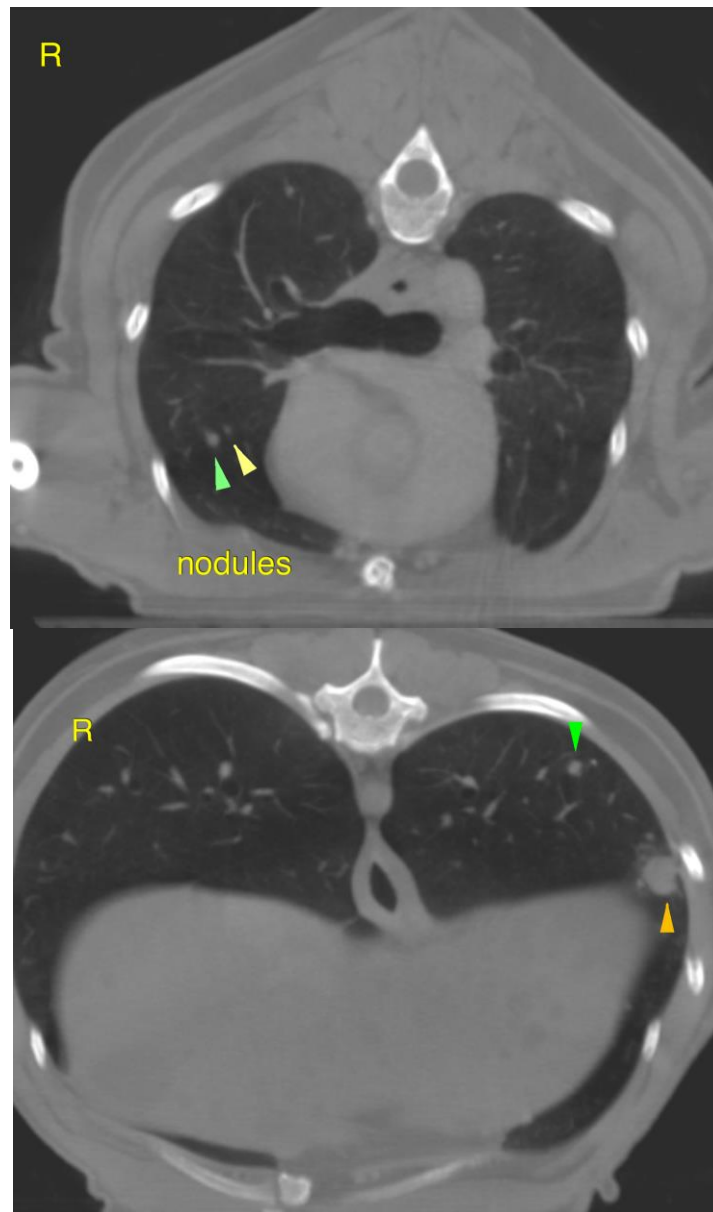
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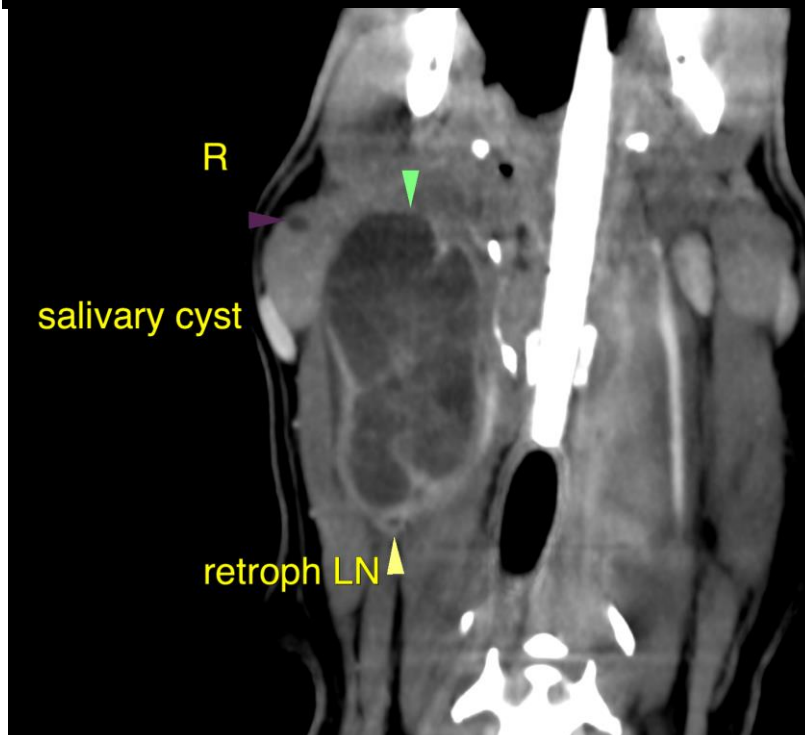
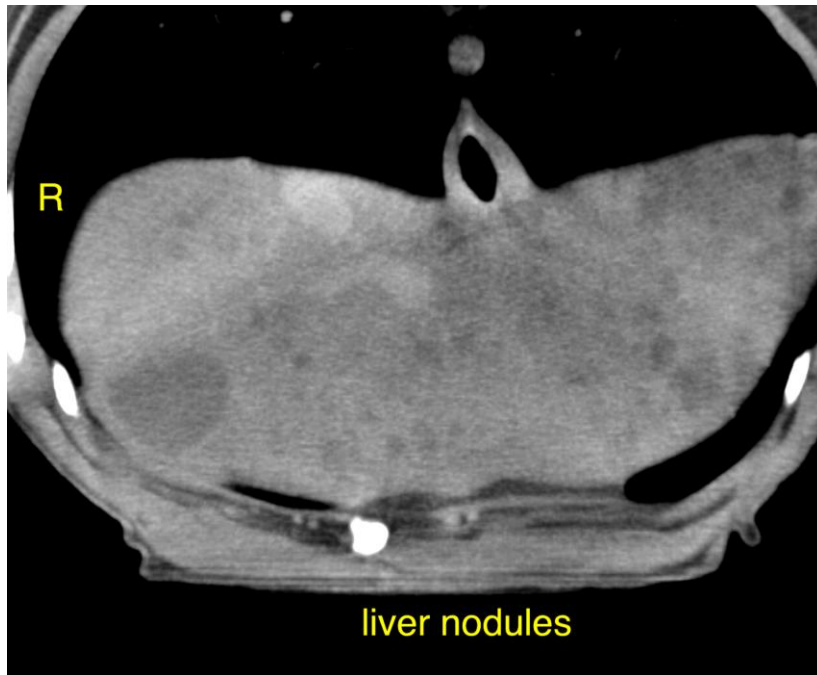
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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**

Canine

**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

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