



**PATIENT**

Duke Therrien

**PRESENTING CLINICAL SIGNS**

New lump on neck - soft tissue sarcoma on FNA. Nect CT for surgical planning. Chest CT to look for metastasis.

**SPECIES**

Canine

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

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

**BREED**

Retriever X

**COMPUTED TOMOGRAPHIC FINDINGS**

**Neck**

A 4.0 x 2.5 cm sized subcutaneous mass with ill-defined margins is seen in the right lateral neck level with the 4<sup>th</sup> cervical vertebra. The mass presents mixed attenuation between fat and soft tissue. The lesion margins are ill-defined. Mild nonuniform contrast enhancement is seen.

**SEX**

MN

Multiple small intra- and inter- muscular lipomas are seen in the right shoulder muscles, axial musculature, and pectoralis musculature.

**AGE**

12 Years

One large subcutaneous lipoma with mildly heterogeneous attenuation of 12.0 cm diameter is seen in the right caudal thoracic wall.

Abundance of subcutaneous and mediastinal fat is noted.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**Thorax**

Cranial lumbar spondyloses are seen.

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 are uniform and considered within normal limits.

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The cardiovascular structures including the pulmonary vasculature are within normal limits.

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

**REFERRING VET**

Dr. T. Guinn

The lung parenchyma presents the expected architecture and attenuation behavior.

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

**INVOICE**

49235

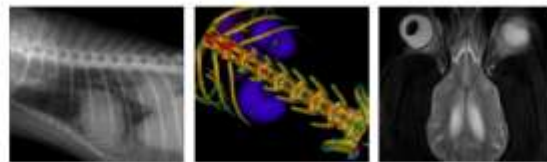
A moderate amount of mineral attenuating material is seen in the gallbladder.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**DATE**

12-23-21

- Soft tissue mass with fatty component and ill-defined margins in the right lateral neck.
- Multiple intra- and inter- muscular lipomas.
- Large subcutaneous thoracic wall lipoma.



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- Normal age related lung.
- Biliary microlithiasis.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SPECIES**

Canine

The mass in the right lateral neck is of mixed attenuation between fat and soft tissue. Soft tissue sarcoma such as liposarcoma is one potential differential diagnosis. A benign mass such as lipoma with necrosis/infarction cannot be ruled out entirely but is thought less likely based on the CT features. Final diagnosis will require sampling for histology. There is no evidence of metastatic disease to the lung.

**BREED**

Retriever X

The patient is obese and multiple subcutaneous intra- and inter- muscular lipomas are seen.

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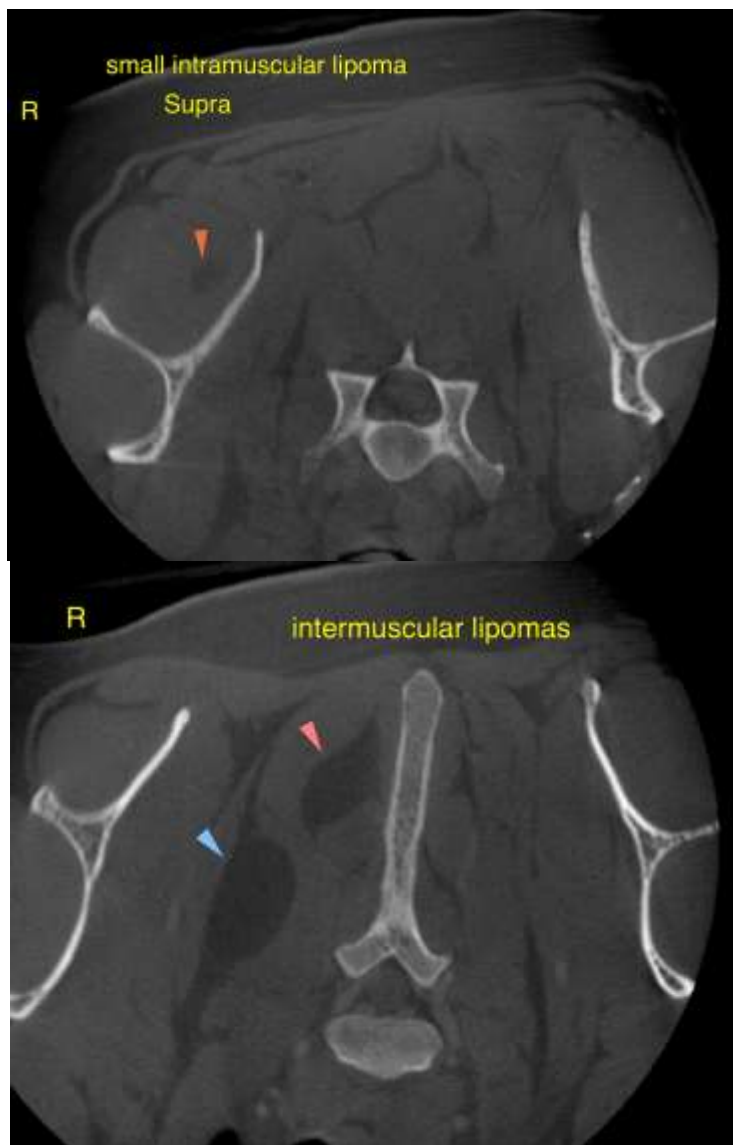
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Retriever X

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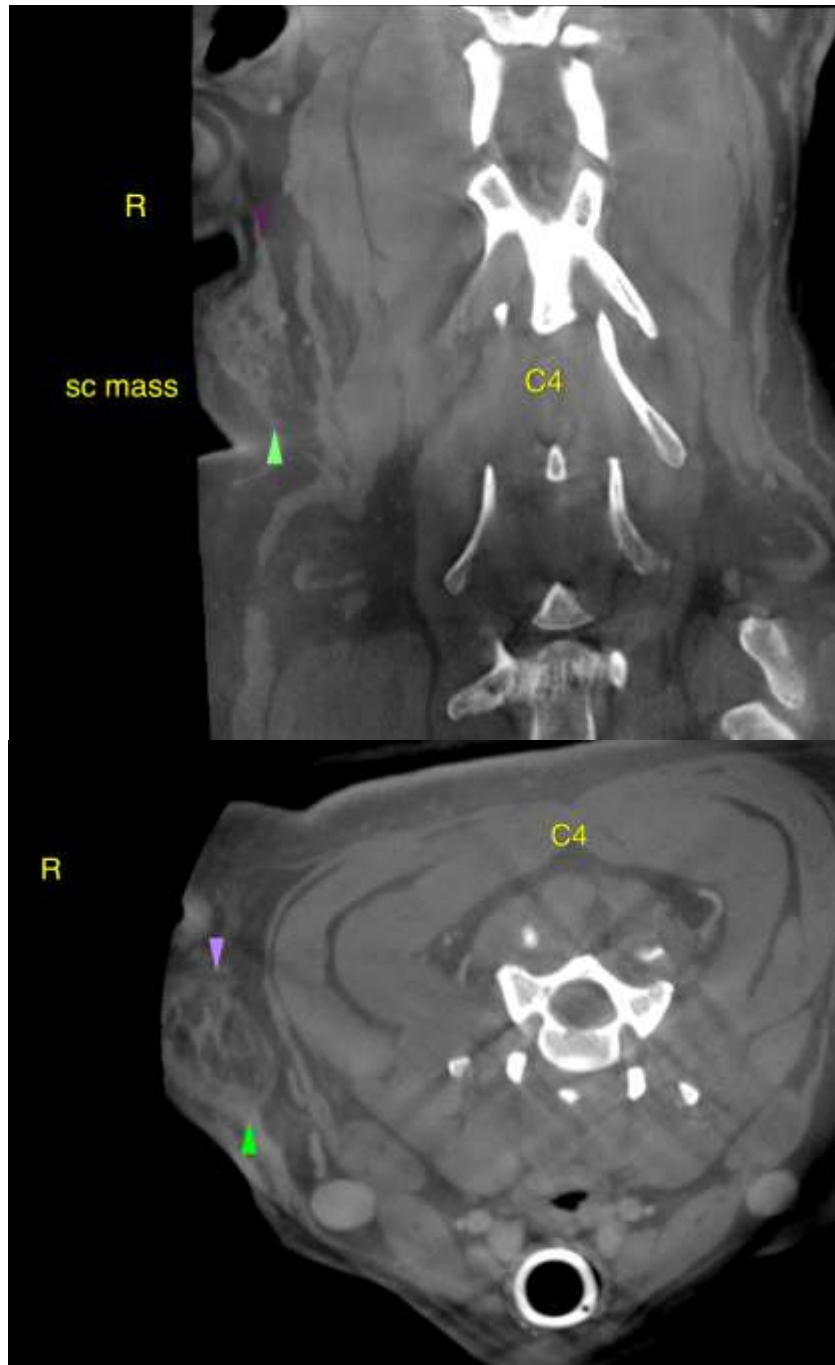
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SPECIES**

Canine

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.

**BREED**

Retriever X

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