



**PATIENT**

Pandora Pereira

**PRESENTING CLINICAL SIGNS**

Hx of coughing intermittently for the last year, dental done beginning of Feb, wet cough developed after per owner, on pimobendan and furosemide for less than one month, staged B1 mitral valve disease via ECG

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: neu 13.08 k/uL, Mono 1.23 K/uL, MPV 13.8 fL, GLOB 4.8 g/dL

**BREED**

Mini Schnauzer

**COMPUTED TOMOGRAPHIC STUDY OF THE THORAX**

Plain and post contrast studies available for review.

**SEX**

Female

**COMPUTED TOMOGRAPHIC FINDINGS**

The CT presentation of the heart is within normal limits. (Patient is under Pimobendan and furosemide treatment for reported stage B1 mitral valve disease.)

**AGE**

9 Years

An irregular shaped cavitating soft tissue mass with heterogeneous enhancement is seen in the ventral aspect of the right middle lobe. The mass measures approximately 4 x 3 cm. The mass effect is moderate. Increased interstitial attenuation with ground glass opacity is seen in the remainder of the right middle lobe. An approximately 1 cm sized nodule is seen in the caudodorsal aspect of the right cranial lung lobe. An 8mm sized nodule is seen in the caudodorsal aspect of the right caudal lung lobe.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

The mediastinal lymph nodes present within normal limits.

A 2 cm sized expansile mass with heterogeneous and predominantly peripheral enhancement is seen in the splenic tail. Multiple hyperenhancing nodules are seen in the remainder of the spleen.

**HOSPITAL NAME**

St. Charles Veterinary  
Hospital

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Lobar mass of the right middle lung lobe.
- Interstitial pulmonary nodules in the right cranial and right caudal lung lobes.
- Splenic mass and multiple splenic nodules.

**REFERRING VET**

Dr. Jamie Nenezian

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are highly suggestive for pulmonary neoplasia within the right middle lung lobe. Primary neoplasia of the lung such as bronchial carcinoma as well as secondary neoplasia including histiocytic sarcoma and other is considered likely. Lobar abscessation cannot be ruled out entirely but is thought to be highly unlikely in this case due to the CT presentation of the mass itself and the presence of additional pulmonary nodules. The pulmonary nodules are very likely to represent metastatic disease or secondary manifestations of pulmonary sarcoma/histiocytic sarcoma. Fine needle aspiration under ultrasonographic guidance using a right parasternal intercostal approach could be considered for further definition.

**INVOICE**

57618

No evidence of decompensation of the cardiac disease is seen at this point.

**DATE**

4-4-23

The splenic mass is meeting neoplastic criteria. Hemangioma, hemangiosarcoma, and metastases are primary differential diagnoses. The remainder of the splenic nodules are more likely to represent lymphoid hyperplasia or extramedullary hematopoiesis rather than metastatic disease.



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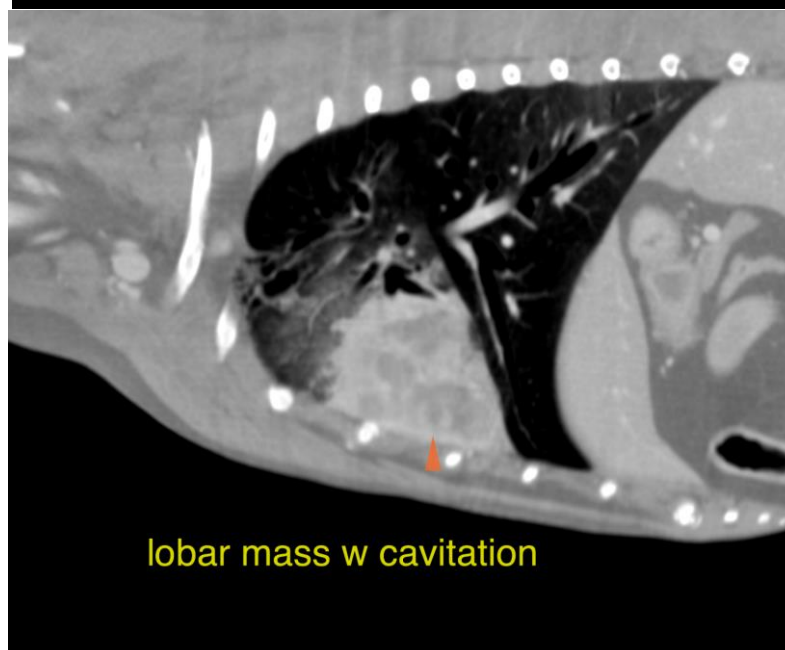
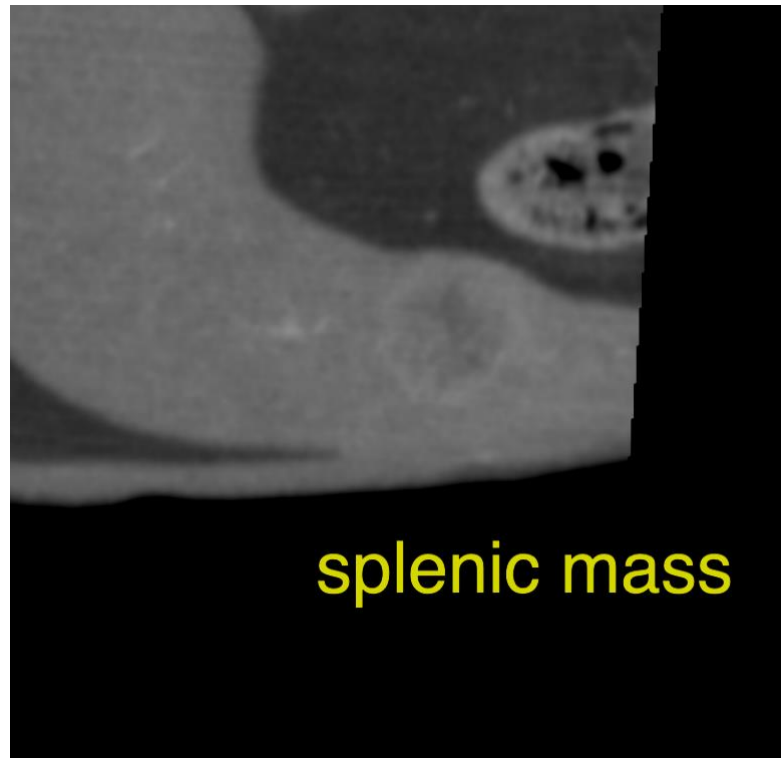
Dr. Jamie Nenezian

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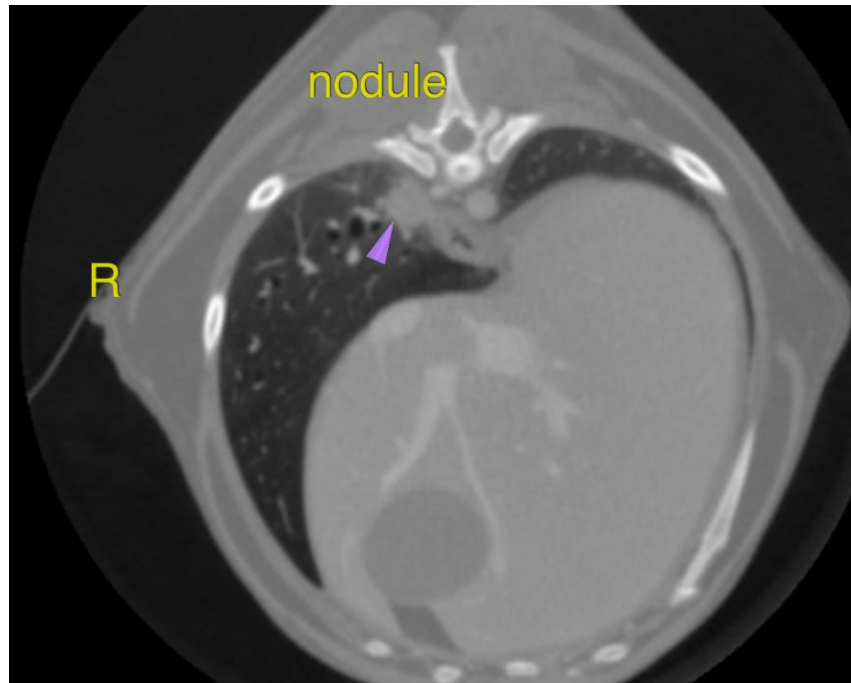
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**HOSPITAL NAME**

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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.

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
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Dr. Jamie Nenezian

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