



PATIENT PRESENTING CLINICAL SIGNS

CHISPI PAGAN The patient underwent an ultrasound examination in which a mass was identified in the spleen and another mass in the adrenal gland. A CT scan is requested to further evaluate both lesions and assess the feasibility of surgical removal.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN

Plain and post contrast studies of the abdomen, post contrast study of the thorax are available for review.

BREED

Shih Tzu

COMPUTED TOMOGRAPHIC FINDINGS

THORAX

SEX

F

Multiple focal, sub-plural and peribronchial peripheral infiltrates are seen throughout the lung with a “non-nodular” appearance. There are also areas of plate-like atelectasis in the periphery of the lung lobes as well as interstitial bands and a mild overall increase in interstitial attenuation.

AGE

13yr

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.

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

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
DipECVDI

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

ABDOMEN

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The urinary bladder is moderately distended, multiple up to 3 mm size smoothly delineated spherical calculi are seen within the urinary bladder. There is no evidence of lower urinary tract obstruction.

Both kidneys present a weak and heterogeneous nephrogram. A 2 mm size calculus is seen within the renal pelvis of the right kidney. Small mineral attenuating foci are present in both kidneys. The left kidney is small with irregular surface. Mild bilateral pyelectasia is seen. Small cortical renal cysts are present.

REFERRING VET

DR. TRAUTMANN

There multiple small and one larger 2 cm sized expansive nodules noted throughout the spleen.

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The right adrenal gland presents a 3 cm x 3.2 cm sized cavitating heterogeneously enhancing mass with focal mineralization. Evidence of vascular invasion is not seen. The left adrenal gland presents within normal limits.

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The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.



PATIENT

The liver presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

CHISPI PAGAN

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

Moderate bilateral hip dysplasia with coxofemoral joint osteoarthritis is seen.

BREED

Shih Tzu

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

F

- Cavitating mineralizing right adrenal gland mass without evidence of vascular invasion
- Multiple small and one larger splenic nodule
- Signs of bilateral hypercalcemic chronic nephropathy with presumed reduced renal function
- Multiple non-obstructive urinary bladder calculi
- Interstitial focal and generalized interstitial changes of the lung compatible with interstitial scarring and unclassified interstitial lung disease
- Bilateral hip dysplasia and coxofemoral joint osteoarthritis

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INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
DipECVDI

The right adrenal gland mass is likely to represent a functional vs non-functional adenoma and less likely adenocarcinoma. Evidence of vascular invasion or other malignancy criteria are not seen at this point. Pheochromocytoma or other secondary mass of the right adrenal gland cannot be completely excluded but is by far less likely.

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The splenic nodules are likely benign representing extramedullary hematopoiesis, benign lymphoid hyperplasia and less likely neoplasia.

Splenectomy and adrenalectomy could be considered in this patient. Correlation with the laboratory values however is recommended.

REFERRING VET

DR. TRAUTMANN

Note the presence of signs of renal disease with involvement of both kidneys as well as single right-sided renal and multiple urinary bladder calculi.

The findings of the lung are likely to represent chronic changes with uncertain clinical significance. They are not typical for metastatic disease.

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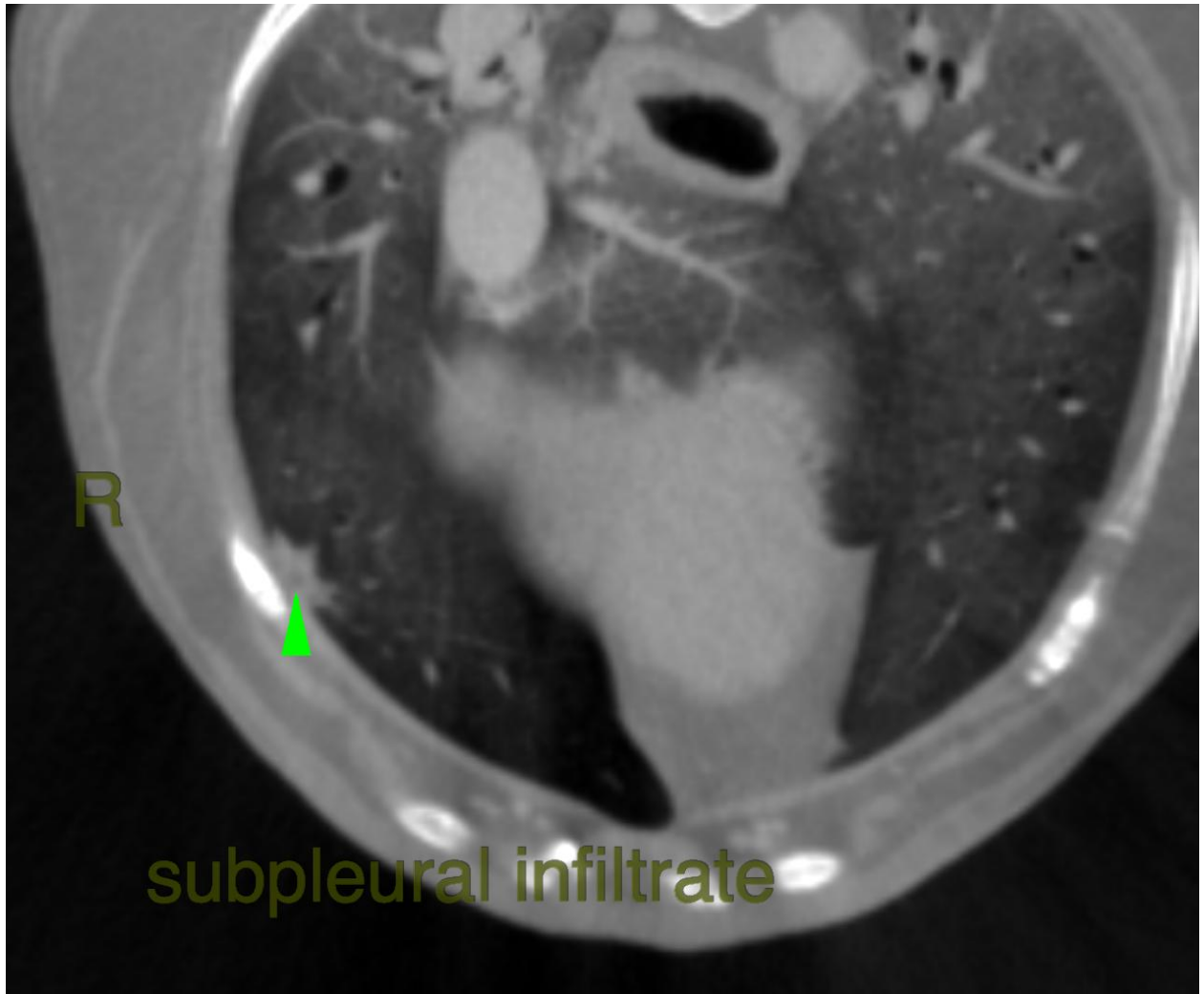
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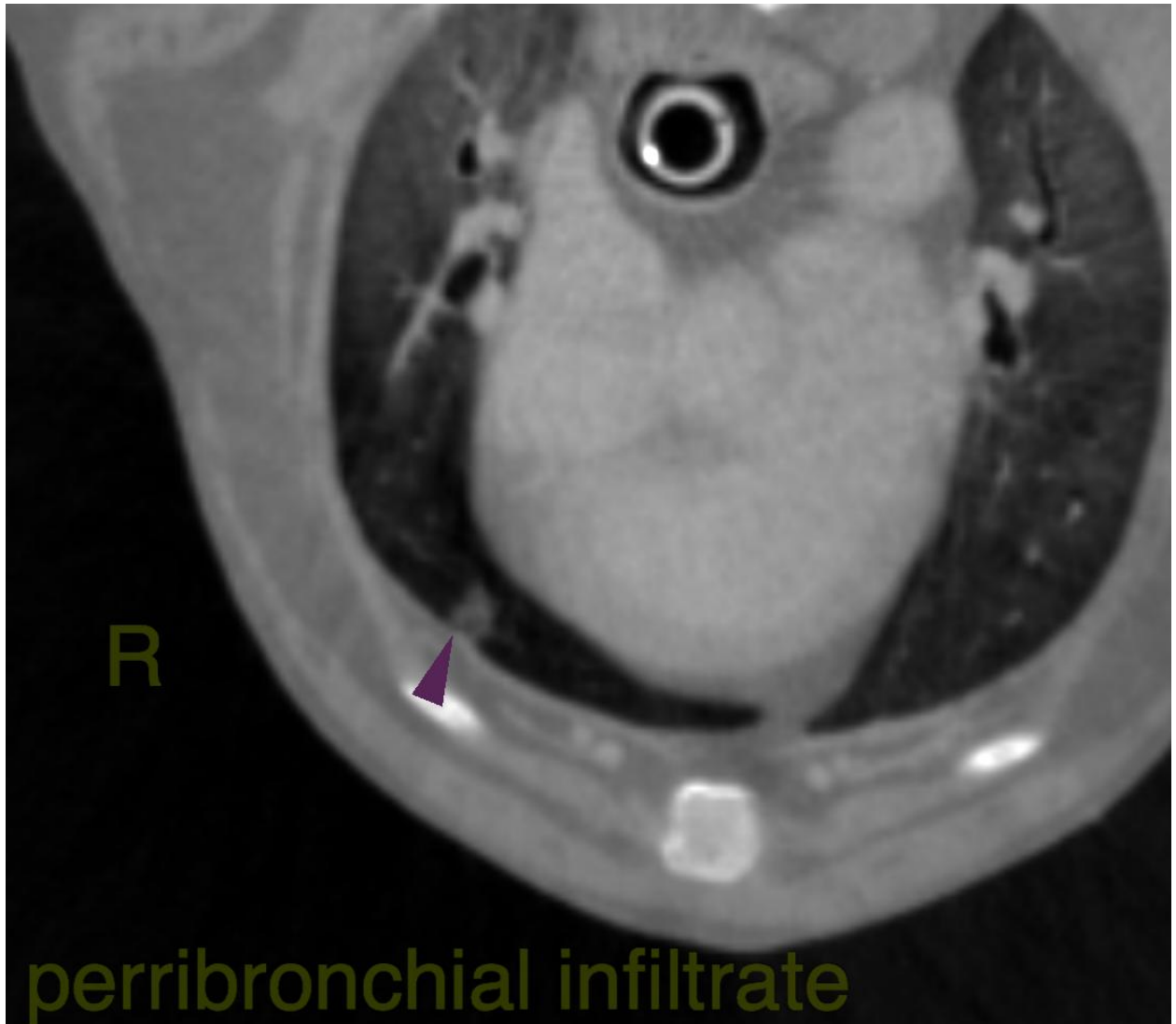
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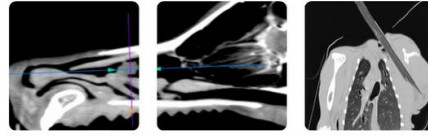
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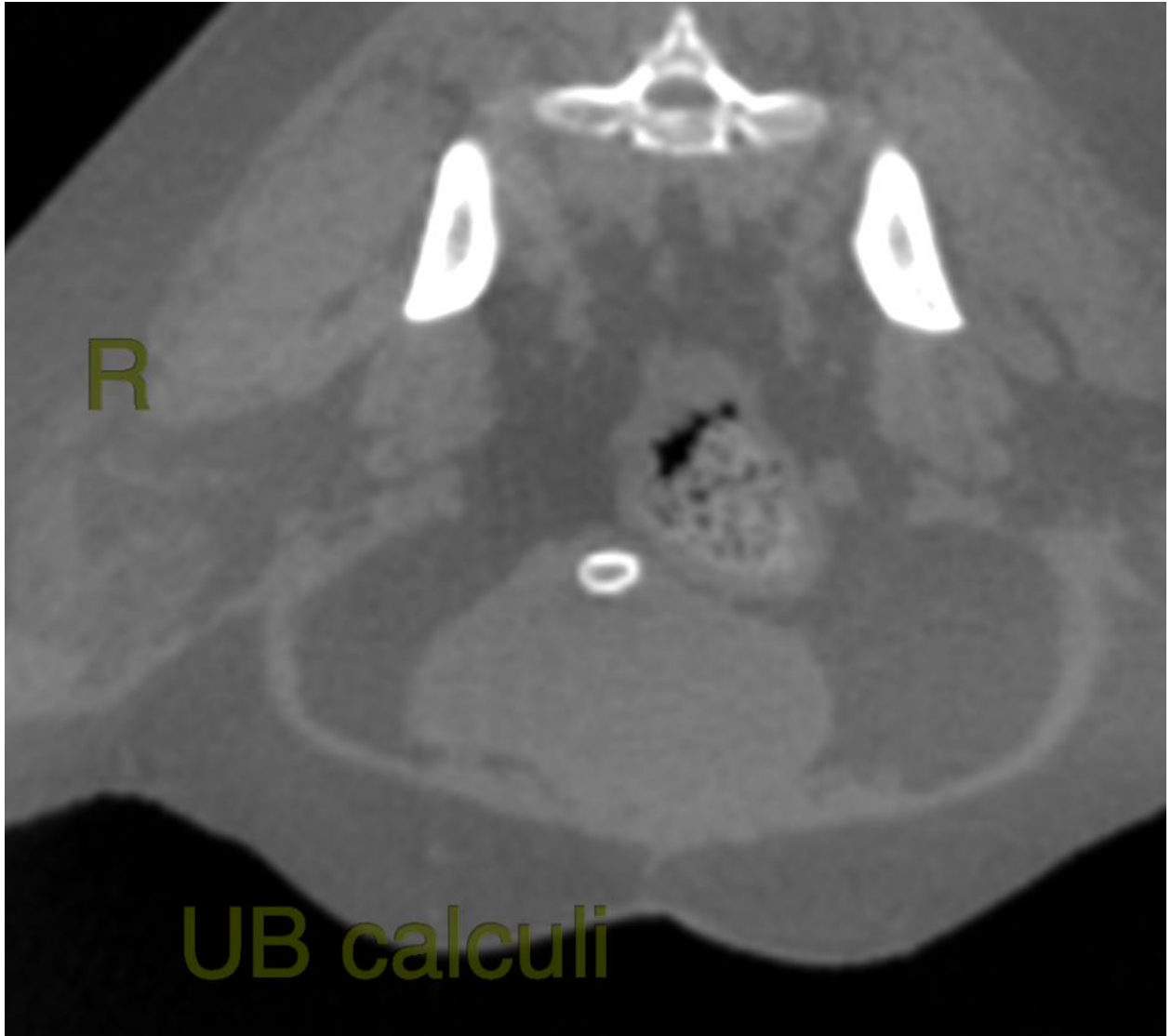
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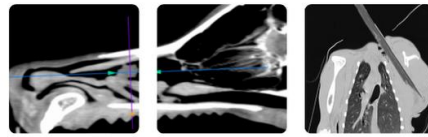
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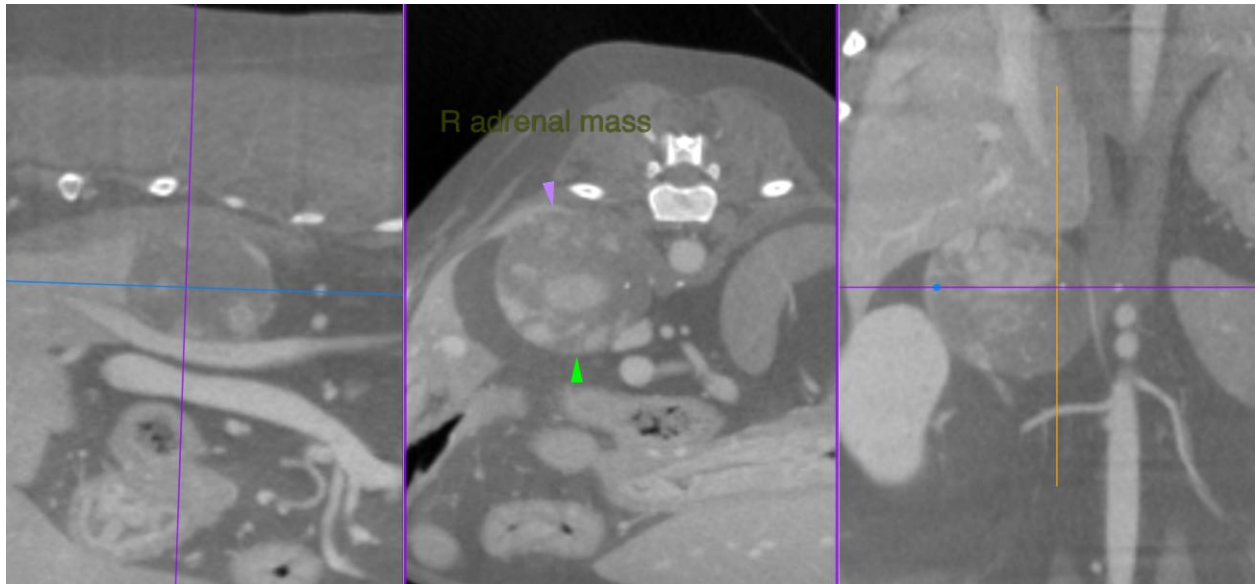
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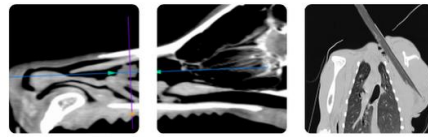
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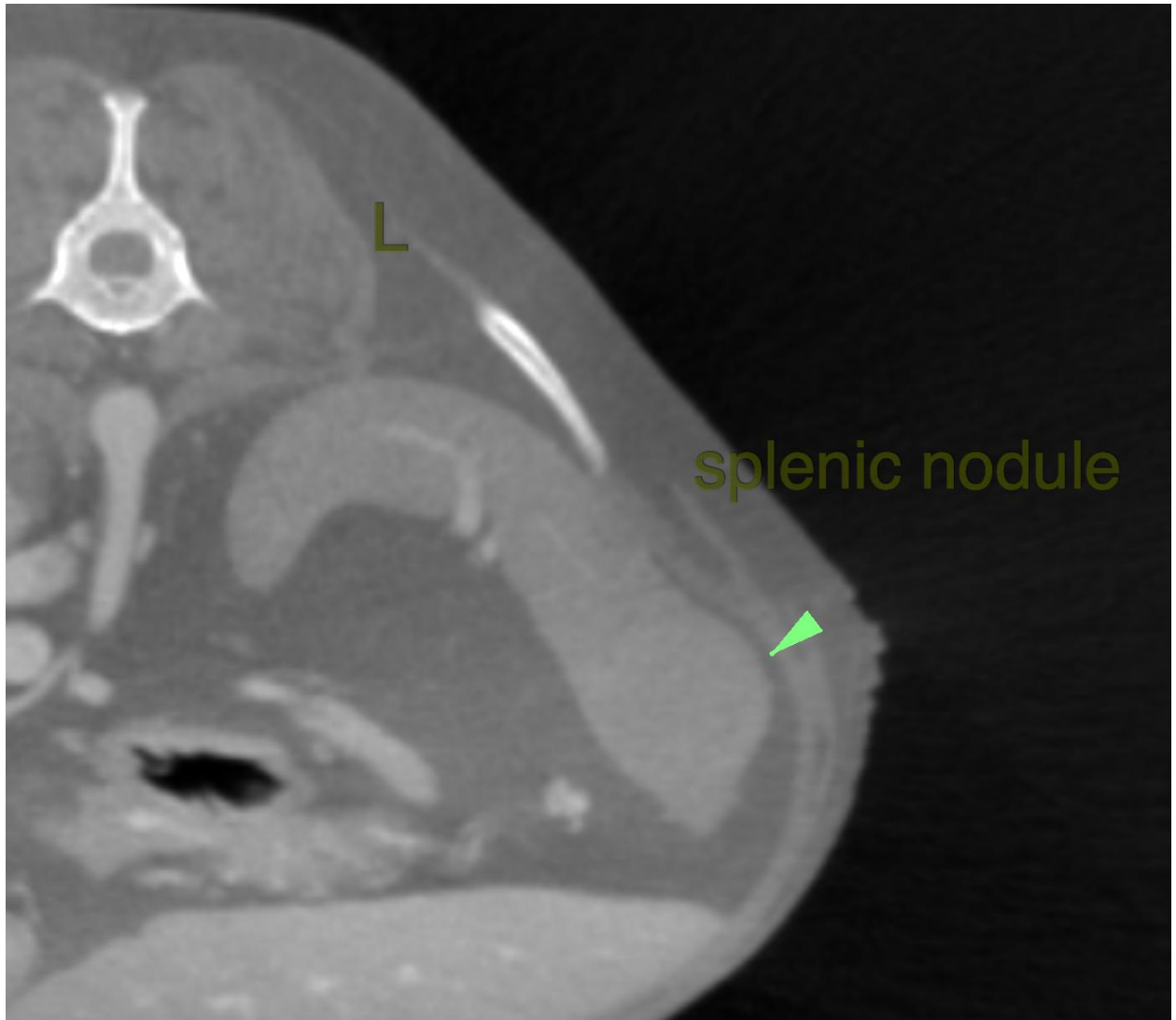
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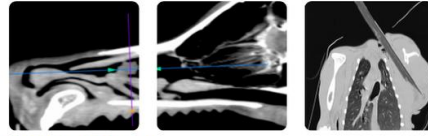
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

BREED

Shih Tzu

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

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