



**PATIENT PRESENTING CLINICAL SIGNS**

Cooper Drube \*DVM pet. PU/PD for the past few weeks. Labs revealed hypercalcemia with iCa of 1.7 Hypercalcemia panel showed a low PTH and PTH rp at 0. Oncologist ultrasound did not reveal anything concerning. Recommended CT of the neck, thorax, and abdomen.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: \*DVM pet.

Canine **COMPUTED TOMOGRAPHIC STUDY OF THE NECK, THORAX, & ABDOMEN**

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

**BREED** Doodle **COMPUTED TOMOGRAPHIC FINDINGS**

**Neck**

**SEX** Both lobes of the thyroid gland are seen and present within normal limits regarding their position, size, shape, attenuation, and enhancement.

Neutered Male

The bilateral external and internal parathyroid glands present within normal limits with an average diameter of 1.8mm.

**AGE** Mild bilateral retropharyngeal and cervical lymphadenomegaly is noted.

4 Years, 7 Months

**Thorax**

**INTERPRETED BY** The bony and surrounding soft tissue structures are within normal limits.

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DVM Dr. med. vet.,  
DipECVDI

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.

**HOSPITAL NAME**

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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.

The lung parenchyma presents the expected architecture and attenuation behavior.

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

**Abdomen**

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

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Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.



**PATIENT** The adrenal glands are within normal limits for size, shape and organ architecture.

Cooper Drube A 7mm sized faintly hyperenhancing nodule is protruding from the splenic surface at the hilus side of the splenic tail.

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

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

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

Doodle The bony and surrounding soft tissue structures reveal no abnormalities.

**SEX** **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Neutered Male
- Single small expansile splenic nodule.
  - Normal thorax.
  - Normal thyroid and parathyroid glands.
  - Mild bilateral retropharyngeal & cervical lymphadenomegaly.

**AGE** 4 Years, 7 Months **INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY** The CT study does not reveal structural abnormality of the thyroid or parathyroid glands. The CT presentation of the thyroid and parathyroid glands is within normal limits.

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 Differential diagnosis for the splenic nodule includes extramedullary hematopoiesis, benign nodular hyperplasia, myelolipoma primarily. Neoplasia such as hemangioma, hemangiosarcoma, or other can never be ruled out entirely but is considered highly unlikely based on the CT findings. Ultrasonographic monitoring could be considered.

**HOSPITAL NAME** The degree of retropharyngeal and cervical lymph node enlargement is mild. Reactive hyperplasia is a primary differential diagnosis. However, a neoplastic infiltrate including lymphomatous cannot be ruled out entirely and fine needle aspiration is recommended for further definition.

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**PATIENT**

Cooper Drube

**SPECIES**

Canine

**BREED**

Doodle

**SEX**

Neutered Male

**AGE**

4 Years, 7 Months

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**HOSPITAL NAME**

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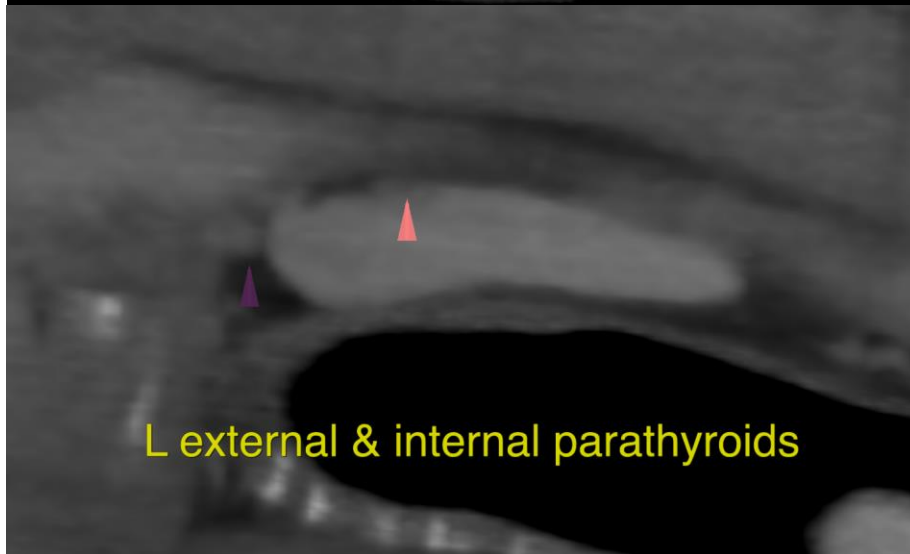
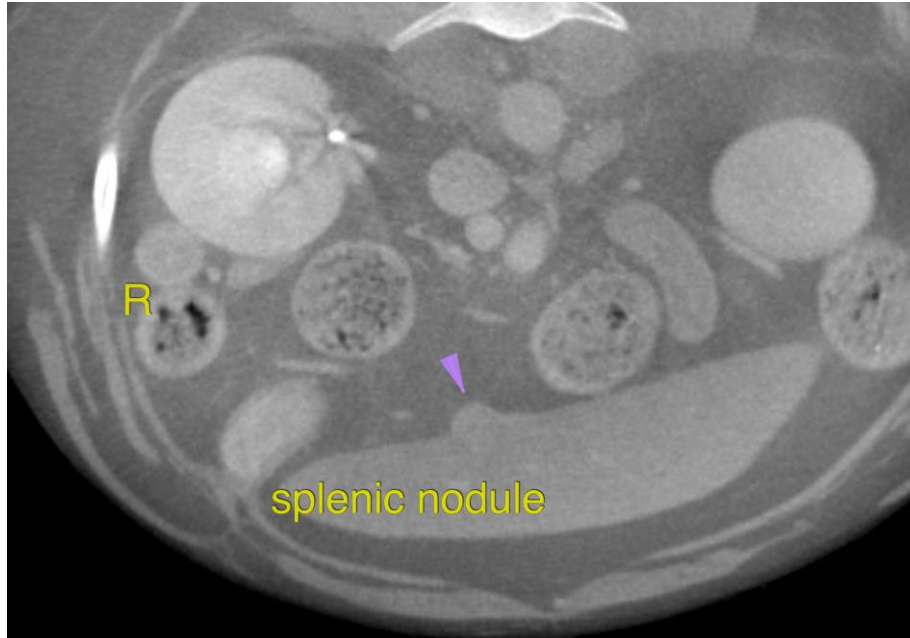
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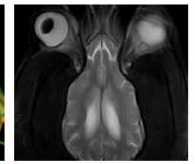
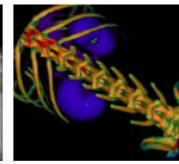
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**PATIENT**

Cooper Drube

**SPECIES**

Canine

**BREED**

Doodle

**SEX**

Neutered Male

**AGE**

4 Years, 7 Months

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**HOSPITAL NAME**

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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.

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.

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