



PATIENT PRESENTING CLINICAL SIGNS

Theo Poolman Presented for difficulty walking and falling to the left. Diagnosed w/ ear infection 1.5 months ago. RDVM concerned for inner ear infection P has been on steroids and antibiotics w/ no improvement. BW moderate elevation liver values

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

Canine A high resolution pre- and post-contrast CT study of the skull and abdomen and a post-contrast CT study of the thorax are provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Pit Mix Skull

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

SEX The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

Male Neutered Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

AGE Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. A small amount of fluid attenuating material is seen in the most medial aspect of the external ear canals bilaterally.

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INTERPRETED BY The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous, post contrast administration, in the left cerebral hemisphere, two faint contrast enhancing small (<3 mm) roundish lesions are seen.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

Animal Emergency Hospital Volusia The epaxial musculature along the neck presents with multiple ill-defined contrast enhancing nodular lesions.

Thorax

REFERRING VET Level with the intervertebral disc space T11/T12, mineral attenuating disc material is seen in the vertebral canal, occupying approximately up to 15% of the cross-sectional area of the vertebral canal at the same level.

Dr. Carver

INVOICE 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 is uniform and considered within normal limits.

54632 The cardiovascular structures including the pulmonary vasculature are within normal limits.

DATE 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.

10-16-22 Multifocal throughout the lung parenchyma, well-defined, soft tissue attenuating nodular lesions, measuring up to 7 mm in diameter are appreciated.



PATIENT

Theo Poolman

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

Abdomen

SPECIES

Canine

The peritoneal fat presents generalized mild fat-stranding. Multifocal throughout the peritoneal fat, nodular mild contrast enhancing lesions are appreciated.

Both kidneys present irregular margins with multiple parenchymal filling defects – partially protruding beyond the splenic surface. The right kidney presents an intraparenchymal nodular lesion with a heterogeneous contrast enhancement pattern, measuring 10 mm in size.

BREED

Pit Mix

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

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

SEX

Male Neutered

The caudal extremity of the spleen presents a well-defined, soft tissue attenuating and heterogeneous contrast enhancing irregular roundish mass, protruding from the splenic surface; measuring 4.3 cm in size is visible. The splenic mass is protruding from the medial aspect of the caudal extremity of the spleen. The cranial extremity of the spleen has a mild undulating surface and heterogeneous contrast enhancement pattern.

AGE

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

INTERPRETED BY

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

The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

HOSPITAL NAME

Animal Emergency
Hospital Volusia

- Splenic soft tissue mass and splenic nodular soft tissue lesions
- Mild peritoneal effusion and multiple small peritoneal soft tissue nodules
- Structured nodular interstitial lung pattern
- Nodular muscular lesion epaxial musculature of the neck
- Suspect intracranial intraaxial contrast enhancing lesions.
- Suspect renal nodular soft tissue lesion
- Chronic intervertebral disc extrusion T11/T12 with possible dynamic spinal cord compression
- Renal cysts bilaterally
- History of bilateral otitis externa

REFERRING VET

Dr. Carver

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The CT study is consistent with disseminated neoplastic disease, likely of primary splenic neoplasia – hemangiosarcoma is considered as the top differential here – with metastatic spread to the peritoneum, musculature, lung and possibly the brain and right kidney. Due to the multifocal metastatic disease, the chances of palliative treatment options should be discussed with oncologist.

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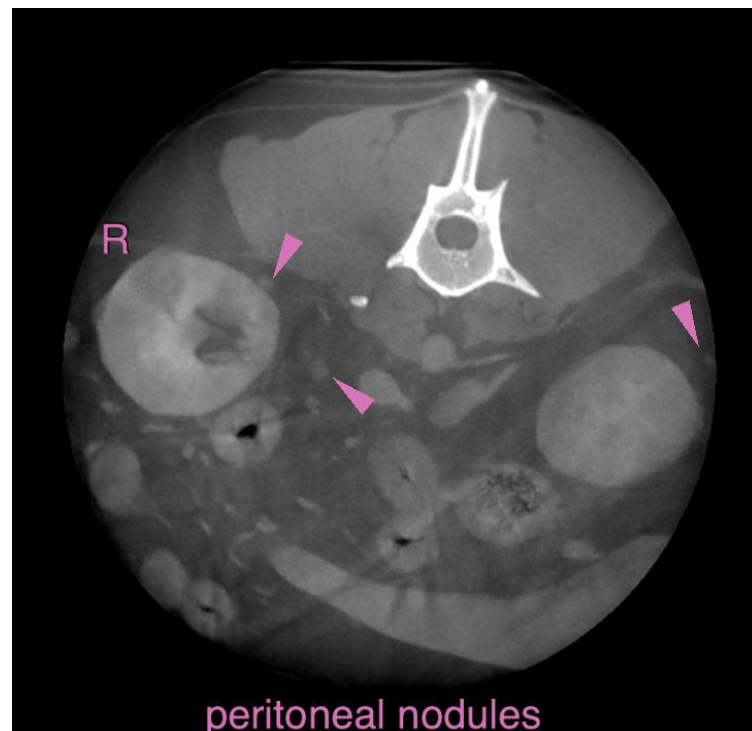
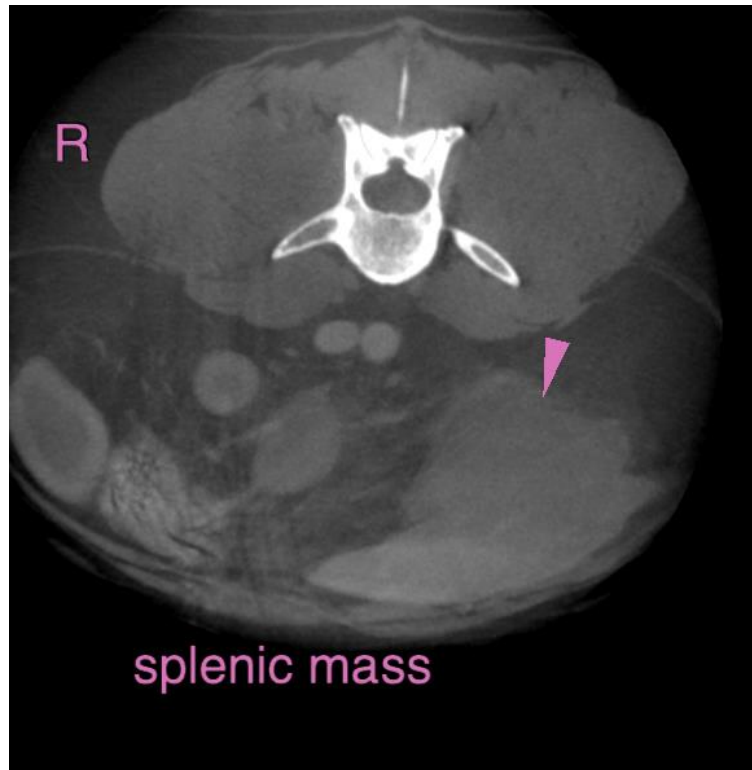
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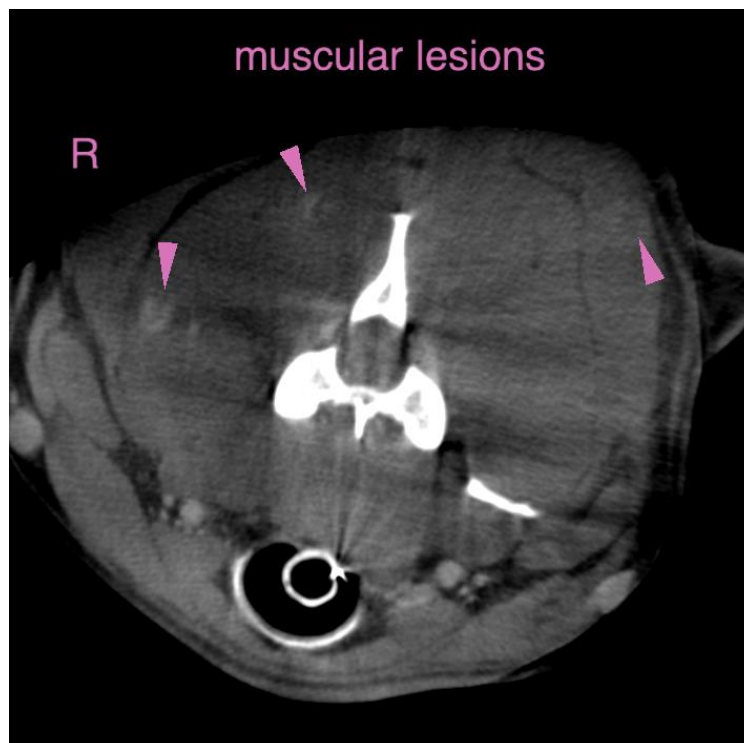
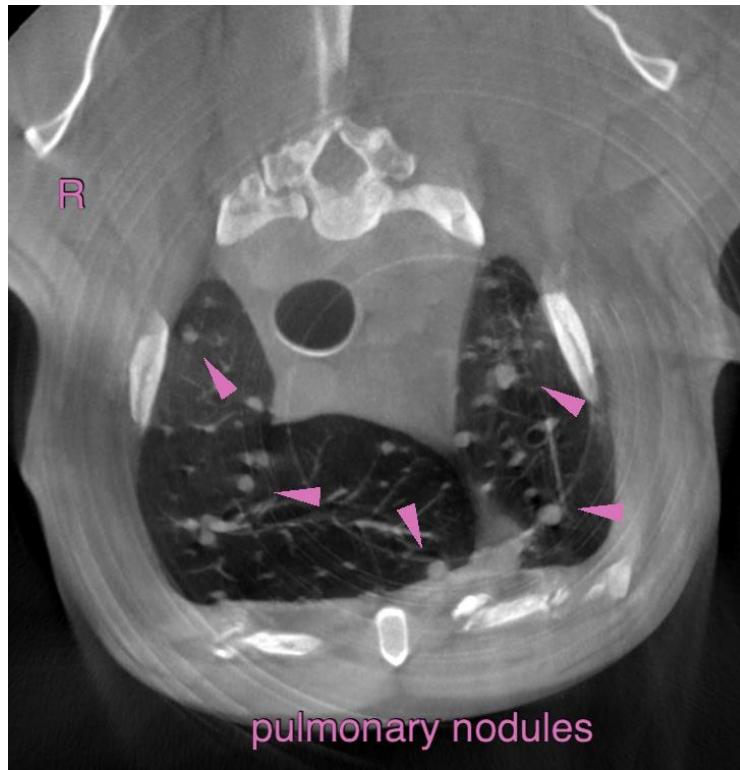
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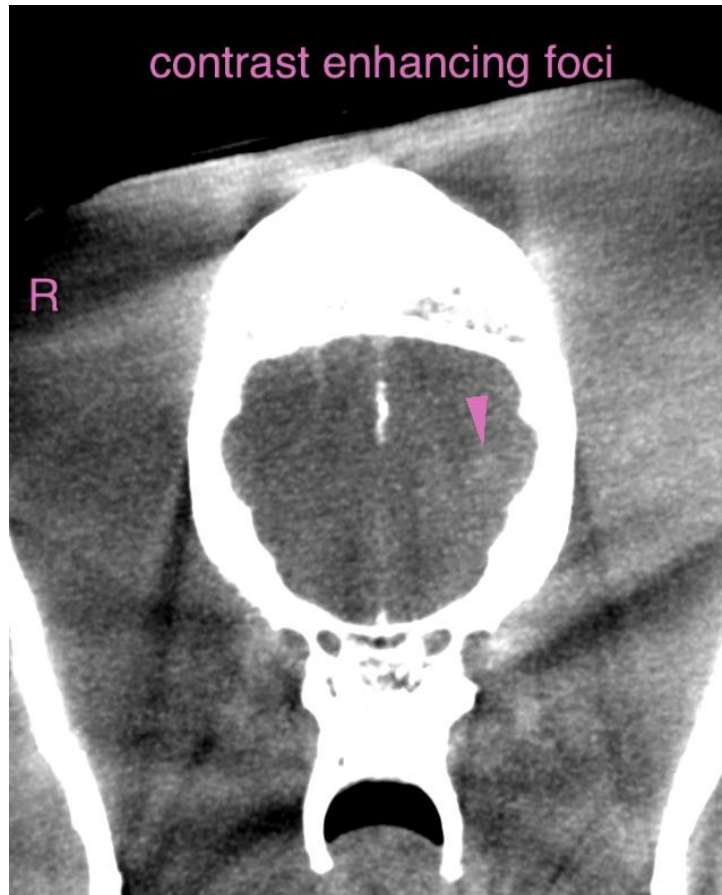
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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