



PATIENT PRESENTING CLINICAL SIGNS

Ian Martinez History liver and heart disease. Acute hind end weakness, vocalizing, and altered mentation. Concern for intracranial disease.

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

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

BREED COMPUTED TOMOGRAPHIC FINDINGS

Chihuahua Skull
Multiple teeth are absent. The remaining teeth present evidence of generalized periodontal disease. Mineralized material is attached to the crowns of multiple premolar and molar teeth. The mid segment of the horizontal plate of the right palatine bone presents focal osteolytic lesions.

SEX Mild destruction of the right nasal conchal & turbinate structures is seen

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

AGE Both tympanic bullae a small amount of soft tissue material is attached to the mucosal lining. The external ear canals are within normal limits.

16.5 Years The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

INTERPRETED BY Sebastian Schaub, DVM
Dr. med. vet. DipECVDI
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.

HOSPITAL NAME Thorax

Southern Oregon Veterinary Specialty Center Multiple gas inclusions are seen along the subcutaneous tissue along the right scapula and dorsal to the cranial thoracic spine – suspect preceding subcutaneous injection.

The intervertebral discs C3/C4 to C5/C6, T12/T13 & L2/L3 are mildly protruding into the vertebral canal, distorting the ventral epidural space.

REFERRING VET 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.

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

INVOICE 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.

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DATE The lung parenchyma presents the expected architecture and attenuation behavior.

11-30-22 Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.



PATIENT Abdomen

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

SPECIES Throughout the renal cortex bilaterally, multiple, well-defined, roundish, fluid attenuating lesions are seen, measuring up to 6 mm in diameter.

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

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

Chihuahua Multifocal throughout the hepatic parenchyma, variable sized, well-defined, roundish parenchymal filling defects are appreciated, measuring up to 8 mm in diameter.

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

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

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Advanced periodontal disease
- Multiple absent teeth
- Focal osteolysis of the horizontal plate of the right palatine bone – suspect secondary to rhinitis
- Mild intervertebral disc protrusion C3/C4 to C5/C6, T12/T13 & L2/L3 with possible dynamic myelocompression
- Hepatic cysts
- Renal cysts
- Normal brain, but possible mild brain atrophy

AGE

16.5 Years

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Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The current CT study presents without abnormalities, explaining the presenting neurological clinical signs, the brain presents without macromorphological abnormalities but possible mild age related brain atrophy. The spine presents no signs for clinically relevant compressive myelopathy. If there was an acute onset of clinical signs, ischemic insult might be a consideration. If there is strong clinical suspicion for intraparenchymal disease of the CNS, MRI can be used as advanced imaging modality.



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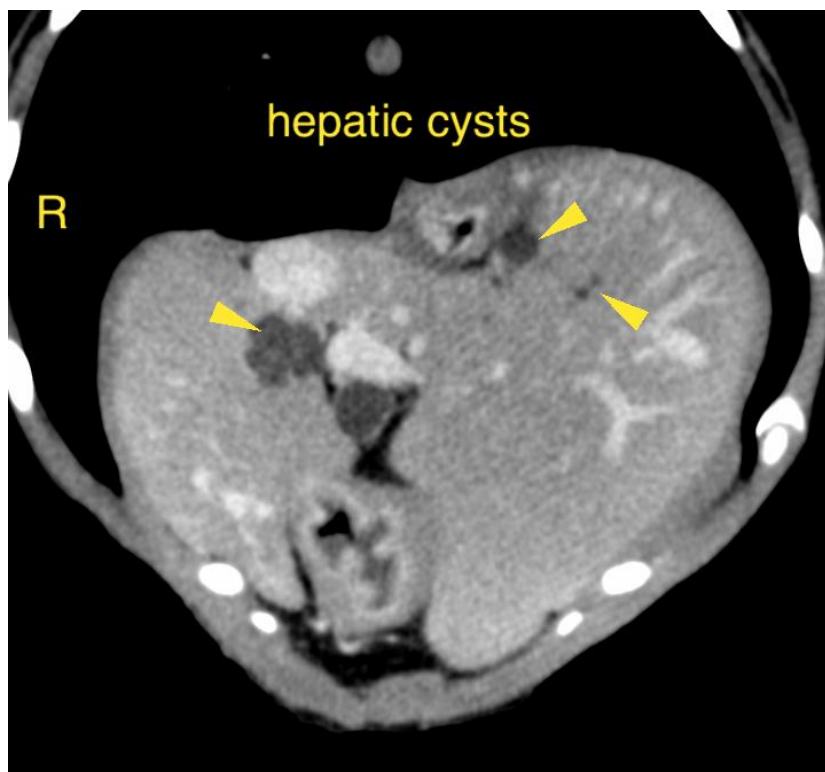
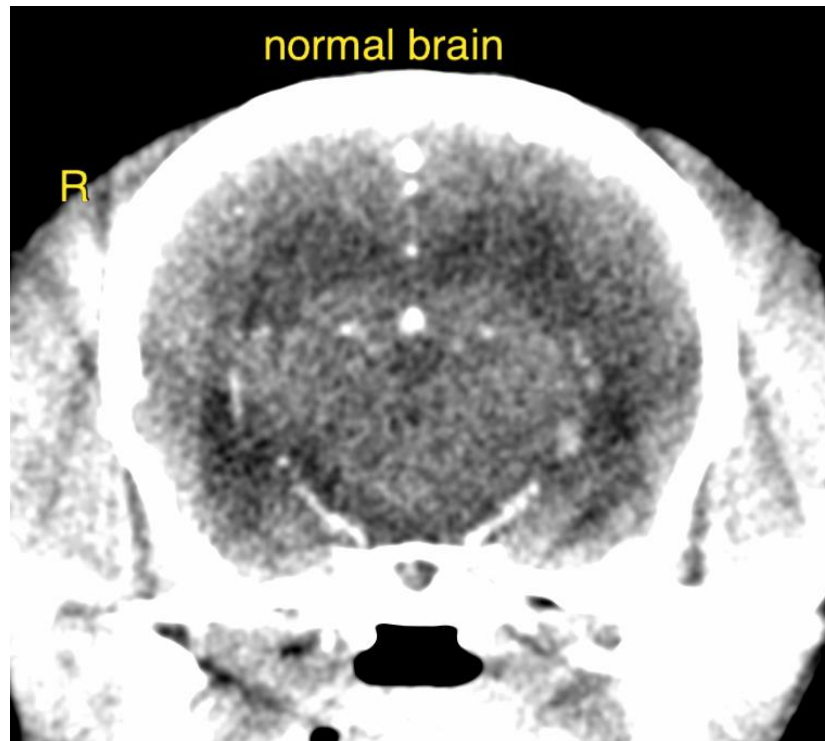
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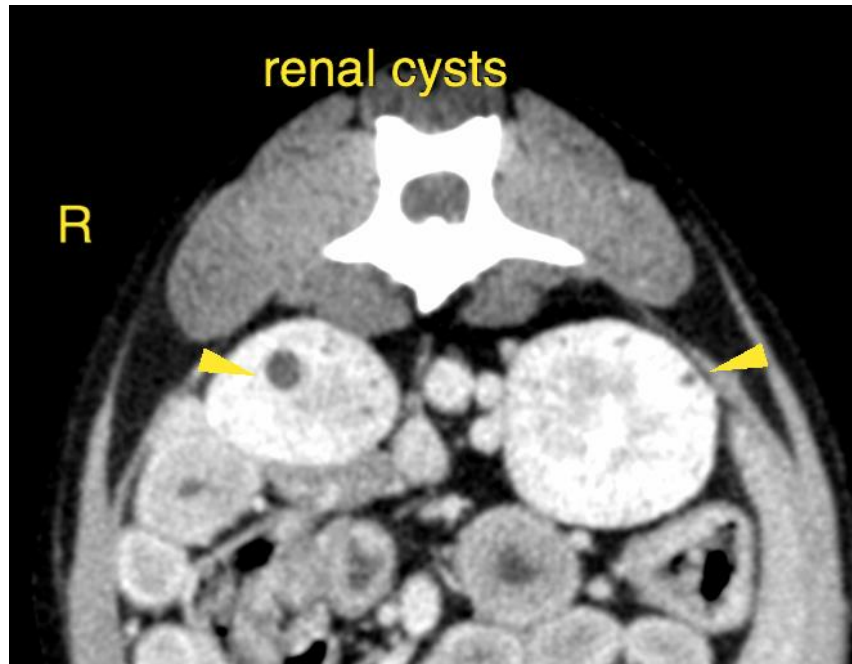
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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