



PATIENT PRESENTING CLINICAL SIGNS

Hershey Leahey unable to open mouth duration 10days non responsive to antibiotics pyrexia (15/7) resolved 19/7
Abnormal PE/Chem/CBC/UA Results: pending - mild elevastion ALT (inhouse preGA profile)

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

Canine A pre- and post-contrast CT study of the skull, thorax and abdomen in a bone, lung and soft tissue reconstruction is provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Labrador Skull

The tooth elements 108 & 208 are absent.

SEX Post contrast administration, multiple mild ill-defined, contrast enhancing nodules are seen throughout the masticatory musculature bilaterally.

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

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

12 Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

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

The right medial retropharyngeal lymph node is prominent.

HOSPITAL NAME Thorax

Advanced Veterinary Imaging The periarticular bones of the left shoulder joint present mild osteophyte new bone formation. At the mediodistal aspect of the right medial humeral condyle, multiple small mineralized bodies are appreciated.

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.

Eamon 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.

52931 The lung parenchyma presents the expected architecture and attenuation behavior.

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

7-18-22



PATIENT Abdomen

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

SPECIES 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.

Canine Nodular enlargement of the right adrenal gland is appreciated, measuring 16 mm in diameter and presenting a peripherally accentuated contrast enhancement pattern.

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

Labrador The right lateral liver lobe presents with an intraparenchymal well-defined, roundish filling defect. In the arterial phase, the left lateral liver lobe presents a roundish moderate contrast enhancing lesion, measuring 1.9 cm in diameter – not appreciated in the delayed phase of the liver.

SEX M The common bile duct is moderately dilated, measuring 5.5 mm in diameter.

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

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

INTERPRETED BY The left facet joint L4/L5 presents marked osteophyte new bone formation.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Multiple contrast enhancing lesions limited to the masticatory musculature
- Nodular enlargement right adrenal gland – without signs of vascular invasion
- In the arterial phase moderate contrast enhancing intraparenchymal lesion left lateral liver lobe
- Hepatic cyst
- Dilation of common bile duct without signs of mechanical obstruction
- Spondylarthrosis L4/L5
- Flexor enthesopathy right elbow joint
- Absent triadan 108 & 208
- Mild degenerative osteoarthritis left shoulder joint

HOSPITAL NAME

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Eamon

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INVOICE 52931 The contrast enhancing muscular lesions of the masticatory muscles can be a sequela to myositis – infectious origin appears more likely (e.g. Neospora, Toxoplasma, Hepatozoon) than masticatory muscle myositis. A potential can be neoplastic disease such as round cell tumor. Recommend complementing workup by testing for potential infectious agents as well as FNA sampling to screen for potential round cell tumor.

DATE 7-18-22 The nodular enlargement of the right adrenal gland is concerning for (non)functional primary adrenal neoplasia – such as adenoma, adenocarcinoma, pheochromocytoma – or macronodular hyperplasia. Testing of the pituitary adrenal axis can be used as advanced diagnostic test.

The contrast enhancing hepatic nodule in the arterial phase is most consistent with benign



PATIENT

nodular hyperplasia/regeneration nodule, the odds for malignant invasion are low.

Hershey Leahey

SPECIES

Canine

BREED

Labrador

SEX

M

AGE

12

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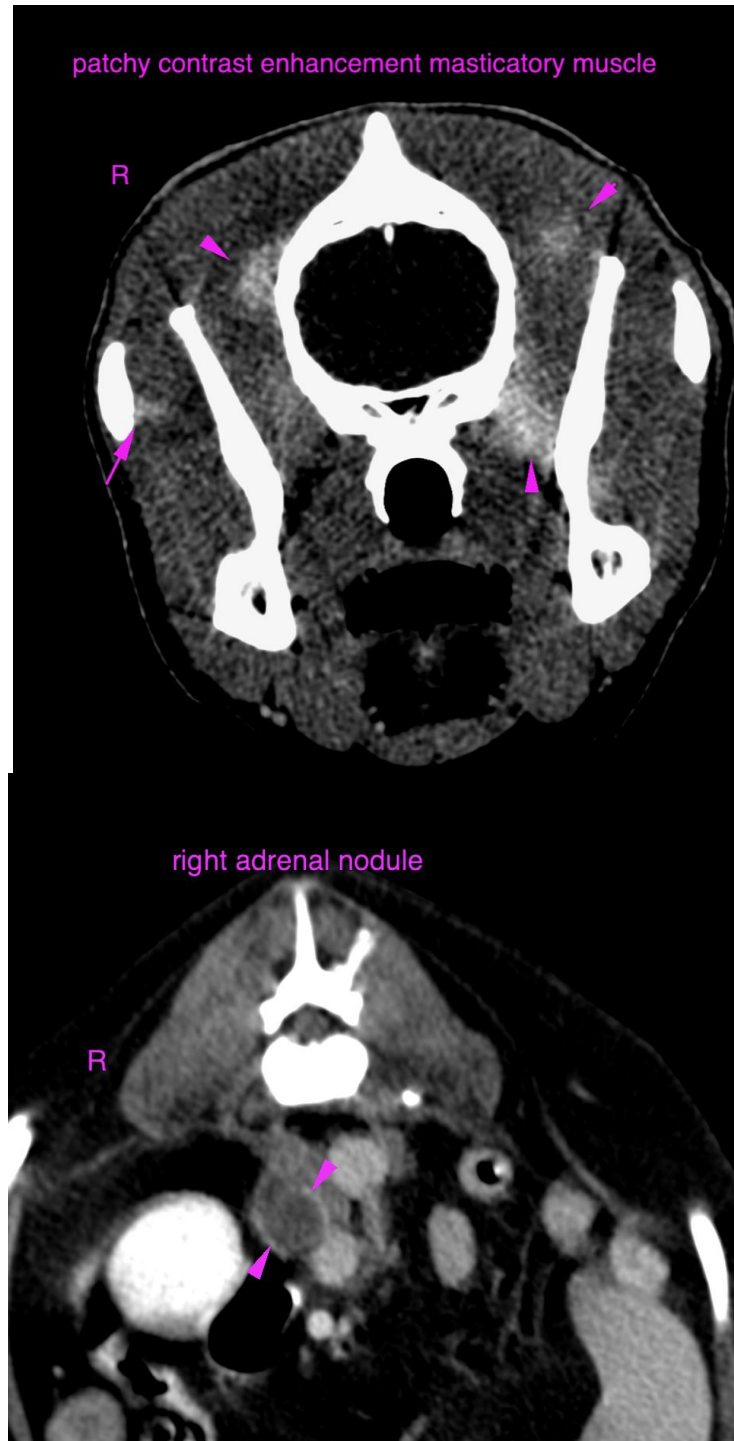
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Hershey Leahey

SPECIES

Canine

BREED

Labrador

SEX

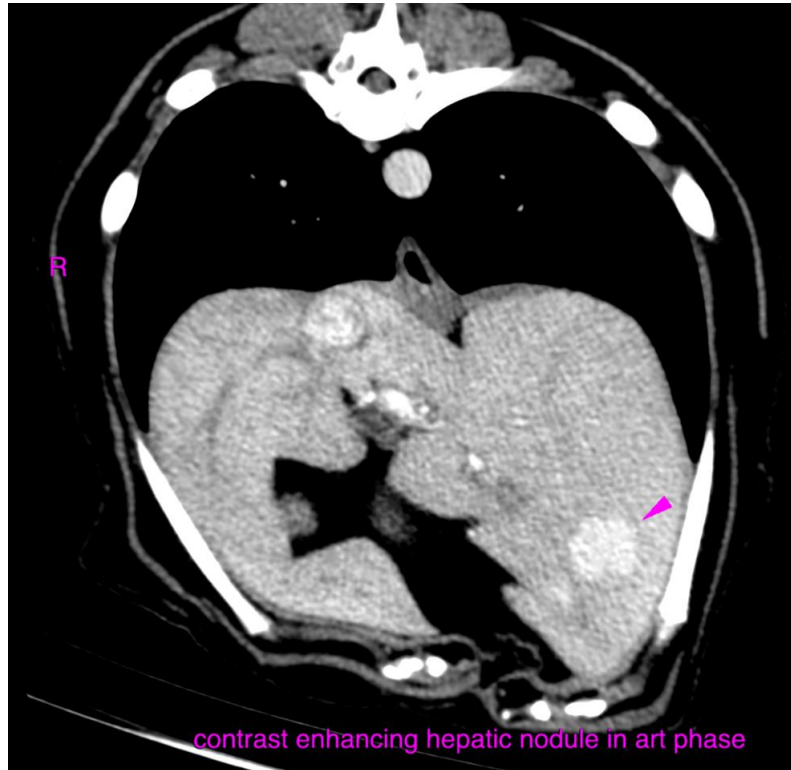
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AGE

12

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contrast enhancing hepatic nodule in art phase

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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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