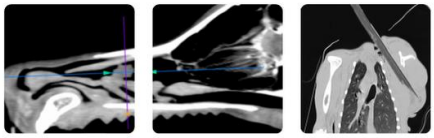


PATIENT

Lena Christopher

SPECIES

Canine

BREED

Pitbull X

SEX

SF

AGE

11Y

WEIGHT

21kg

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet.
DipECVDI

IMAGING PERFORMED BY

Stephany R., Maggie S.

HOSPITAL NAME

Neel Veterinary Hospital

REFERRING VET

Dr Kayla Delmas

INVOICE

74662

DATE

4-20-26

PRESENTING CLINICAL SIGNS

History of pneumonia in the fall that never fully resolved
- initially contracted from younger brother who attends daycare
- antibiotic treatment 6-8 weeks ago without improvement
- ultrasound yesterday showed atelectasis with possible pneumonia, mass less likely. Recently diagnosed with hypothyroidism during workup over the past 1-2 months.
- Rx: prednisone, thyroid medication ("Tempe"), and allergy medications for nasal congestion
- UTD on Vaccines
- No ED

Abnormal PE/Chem/CBC/UA Results: Harsh lungs with popping sound on deep breath with mild abdominal push.

COMPUTED TOMOGRAPHY OF THE SKULL, NECK AND THORAX

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

COMPUTED TOMOGRAPHIC FINDINGS

Skull & Neck

Triadan 108 presents a periapical widening of the periodontal space along all roots, and the distal and buccal root are perforating the lateral osseous lamella. Level with the alveolar crests of triadan 108 immature periosteal new bone formation is seen. Triadan 207 is absent.

In both nasal cavities, moderate destruction of the nasal conchal structures is appreciated. The nasal mucosal lining is thickened, and a small amount of fluid attenuating material is attached to the conchae.

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

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.

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.

In the subcutaneous tissue at the right dorsal aspect of the skull, a well-defined, ovoid shaped lipoma is seen.

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.

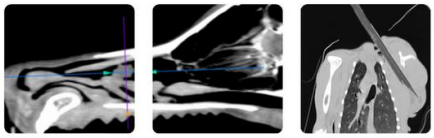
In the cervical segment of the trachea, a small amount of foamy, gravity dependent material is appreciated – distal to the endotracheal tube.

The remainder of the osseous and soft tissue structures of the neck are within normal limits.

Thorax

Streak artifacts are superimposed on the cranioventral aspects of the thorax.

Along the thoracic spine, multifocal spondylosis formation is seen.



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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.

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

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 ventral dependent aspects of the cranial lung lobes are consolidated with air-bronchograms. The lung parenchyma presents the expected architecture and attenuation behavior.

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

In the pictured parts of the abdomen, a nodular lesion is protruding beyond the surface of the cranial extremity of the spleen.

The cecum presents an intramural mass with mild heterogeneous contrast uptake.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Ventrally distributed alveolar lung pattern
- Destructive rhinitis
- Exudate in the trachea
- Soft tissue mass cranial extremity of the spleen
- Intramural mass cecum
- Periapical abscesses triadan 108
- Absent triadan 207
- Subcutaneous lipoma dorsal aspect of the neurocranium

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The distribution of the alveolar pattern is supporting the diagnosis of pneumonia – theoretically diffuse neoplastic infiltration is a differential, but the findings are unusual. Ultrasound guided FNA sampling of the lung can be used for confirmation. The appreciated destructive rhinitis is suggestive for non-specific rhinitis (e.g. lymphoplasmacytic, eosinophilic) – non-specific rhinitis can be accompanied by bronchitis and may serve as trigger for the pneumonia.

The splenic soft tissue mass can present benign nodular hyperplasia versus neoplastic splenic transformation (e.g. sarcoma, metastasis).

The intramural mass of the cecum is consistent with neoplastic transformation – such as adenocarcinoma, round cell tumor.

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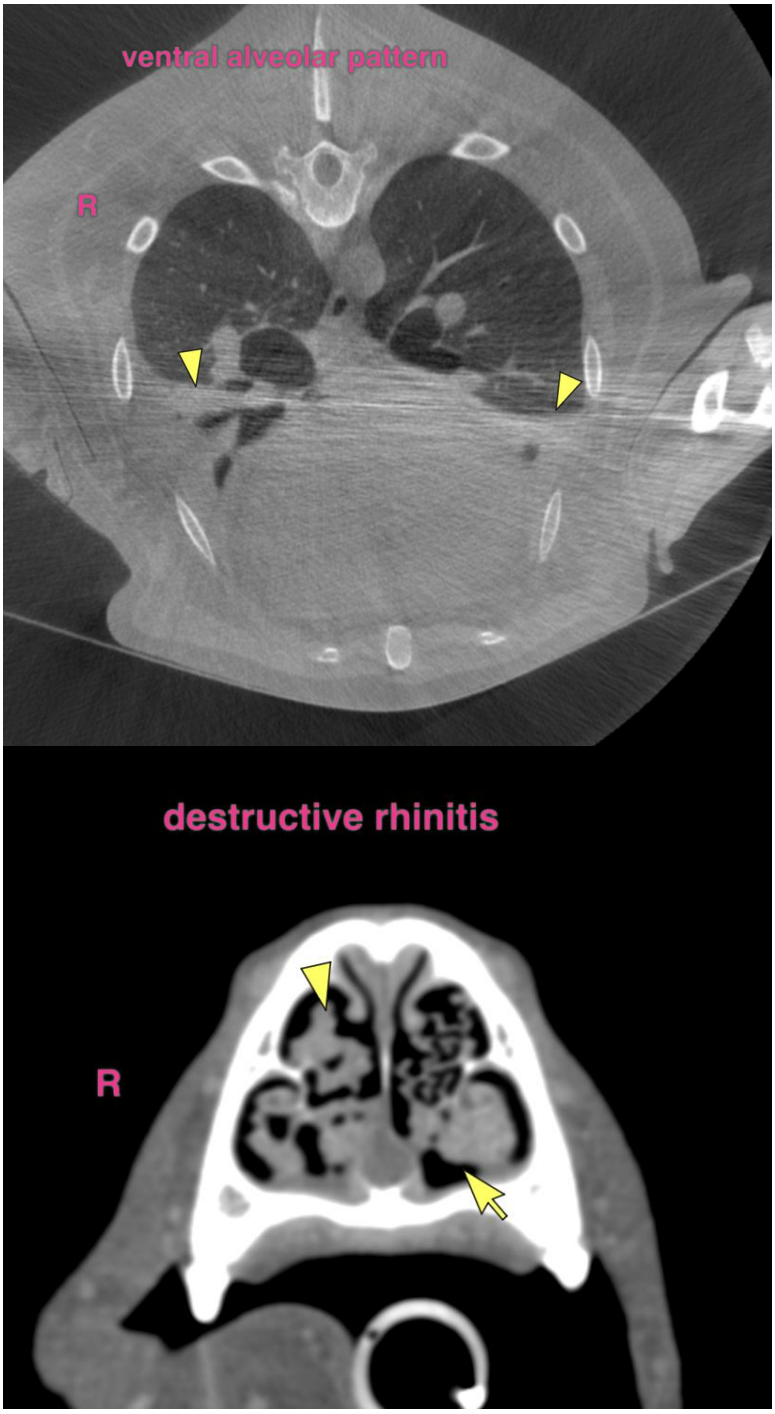

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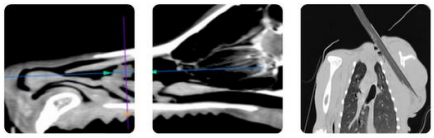

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Educational Teleconsultation Services™

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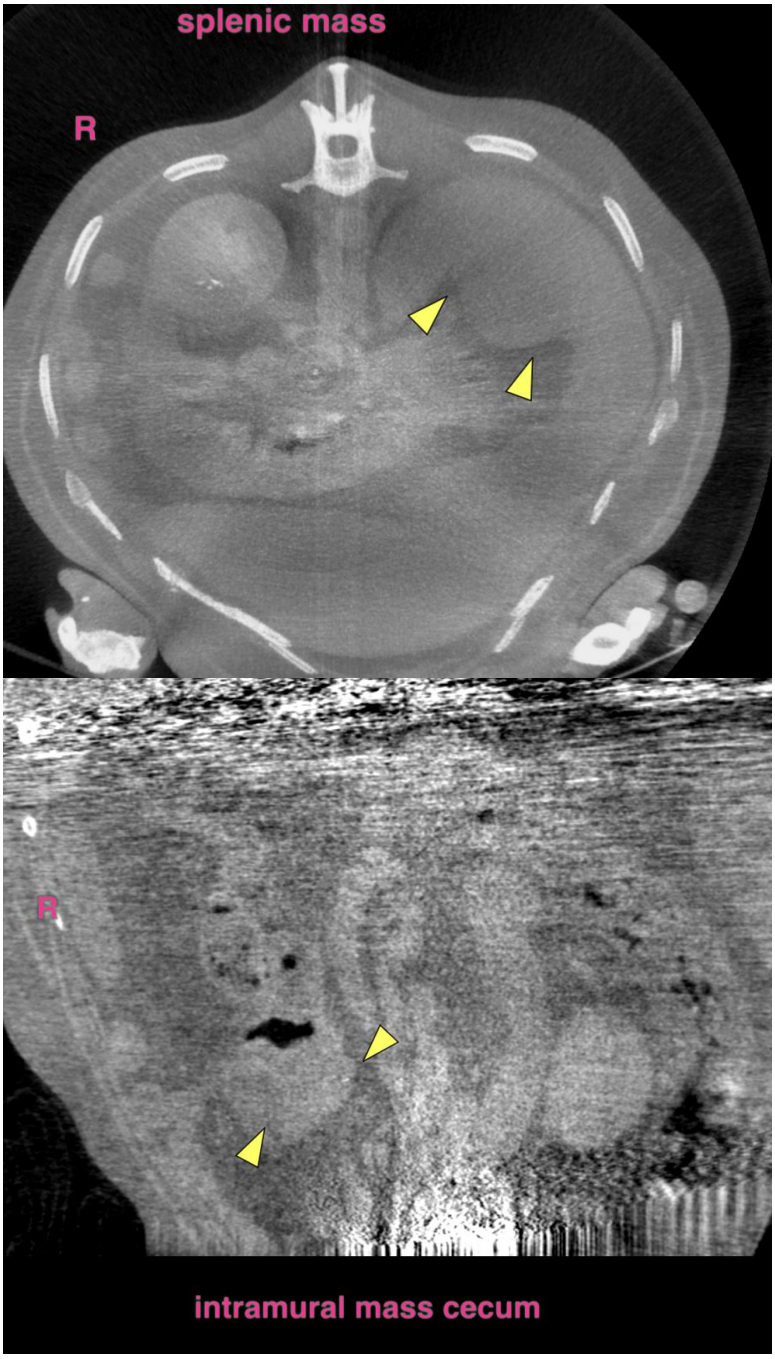

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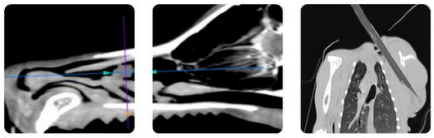

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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
info@sonopath.com