



PATIENT

Jewel-E Mushachacke

PRESENTING CLINICAL SIGNS

Jewel-E presents for upper airway congestion. She coughs night and is restless. Occassionally has blood tinged discharge from nose. She does not know which side. Radiographs of thorax were taken in Jan 2023. She has been on antibiotics with no improvement

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, THORAX, & ABDOMEN

Plain and post contrast studies available for review.

BREED

Min Pinscher

COMPUTED TOMOGRAPHIC FINDINGS

Head & Neck

The patient has a brachycephalic head conformation.

SEX

FS

A moderate amount of fluid attenuating material is present within the right nasal cavity. Mucosal swelling with increased contrast enhancement is accentuated in the rostral third of the right nasal cavity in the region of a dental-nasal fistula of the triadan 104. Moderate bilateral turbinate destruction is seen within the rostral thirds of both nasal cavities. The alveolus of the triadan 104 presents severe periodontal space widening with connection to the right nasal cavity. Advanced tooth root resorption is noted.

AGE

8

Severe periodontal space widening is also present associated with the triadans 107, 108, 201, 402, & 409.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The right submandibular lymph node presents moderate symmetric enlargement. The left submandibular and the bilateral retropharyngeal lymph nodes present within normal limits.

Both lobes of the thyroid gland present within normal limits.

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Critical Vet
Care/Suncoast
Veterinary

The cervical trachea presents within normal limits.

Thorax

The intrathoracic trachea presents mild precarinal collapse. The left mainstem bronchus presents mild grade 2 collapse.

REFERRING VET

Dr. Young

Multiple motions related streak artifacts interfere with the assessment of the lung. No interstitial pulmonary nodules or masses are seen.

The mediastinal lymph nodes present within normal limits.

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Abdomen

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

DATE

4-20-23

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.



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

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Occasional faintly hyperenhancing splenic nodules are seen.

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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.

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The bony and surrounding soft tissue structures reveal no abnormalities.

SEX

The patient is obese.

FS

COMPUTED TOMOGRAPHIC DIAGNOSIS

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- Hypodontia with multiple absent teeth.
- Multifocal periodontal disease with dental-nasal fistula triadan 104.
- Bilateral destructive rhinitis with granuloma formation circumferential to the root of triadan 104.
- Right submandibular lymphadenitis compatible with reactive lymphadenitis.
- Mild thoracic tracheal and mild bronchial collapse presumably secondary to degenerative bronchomalacia.
- Splenic nodules.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The CT findings are compatible with multifocal severe periodontal disease accentuating the triadan 104 with dental-nasal fistula formation and secondary destructive rhinitis. The dental changes are likely the underlying cause of the nasal pathology. Chronic bacterial rhinitis is considered likely. Dental revision and revision of the dental-nasal fistula are recommended. Nasal sampling for culture can be considered as well.

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REFERRING VET

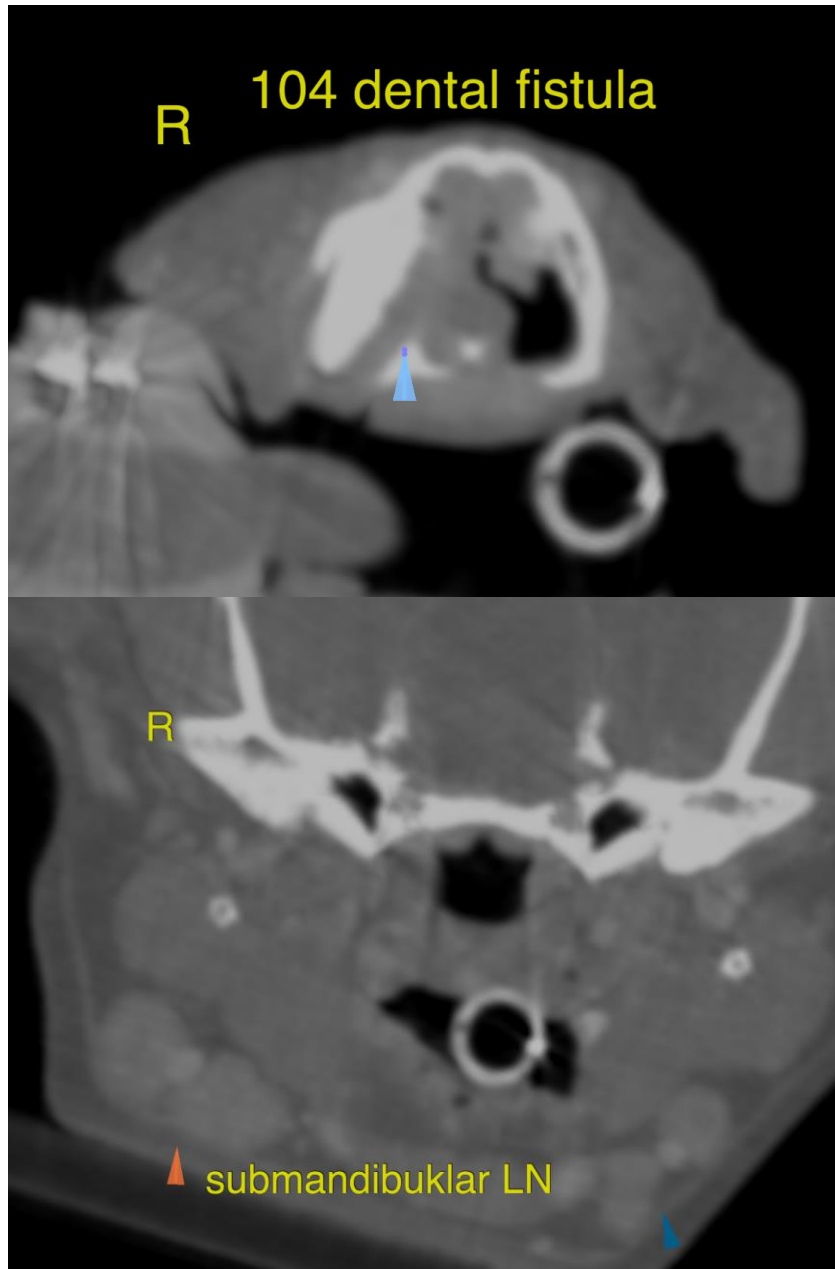
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

SPECIES

Canine

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