



PATIENT PRESENTING CLINICAL SIGNS

Fancy Marra oral mass noticed 3 years ago, intermittent periods of growth. Has started to grow more rapidly. Occ makes a hacking/cough noise as if something is stuck in throat. Started this summer, only occurred a few times and would last for a few days. Firm irregular pink mass extending from 104, across the midline to approximately 202. Non painful on palpation. Mild ulceration on the surface. Firmly attached at the base along the gingiva. Unable to completely visualize the incisors behind mass

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

BREED

Chihuahua

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

COMPUTED TOMOGRAPHIC FINDINGS

SEX

FS

Skull

Triadan 205, 306, 311, 401, 406, 411 are absent.

Triadan 103 presents a moderate widening of the periodontal space. Originating from the rostral aspect of the incisor part of the right maxillary bone – suspect from the alveolar crest of triadan 103 – an expansile heterogeneous mineralizing mass is seen, measuring 2.2 x 1.7 x 2.1 cm in size. Triadan 101&102 are deviated mesially by the mass effect. Triadan 404 is impinging the mass ventrally and triadan 402&403 are deviated ventrally.

AGE

6 Years

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

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

HOSPITAL NAME

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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.

Emanating from the pituitary fossa, a convex shaped, moderate contrast enhancing mass is seen, measuring 6 x 5 x 5 mm in size.

REFERRING VET

Dr. Lea Mehrkens

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.

Thorax

The bony and surrounding soft tissue structures are within normal limits.

INVOICE

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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.

DATE

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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.



PATIENT

The lung parenchyma presents the expected architecture and attenuation behavior.

Fancy Marra

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

SPECIES

An irregular soft tissue attenuating concrement, presenting small gas inclusions, is seen in the gallbladder; measuring 8 x 10 x 10 mm in size.

Canine

COMPUTED TOMOGRAPHIC DIAGNOSIS

BREED

Chihuahua

- Monostotic expansile benign appearing osteoproliferative mass incisor part right maxillary bone with deviation of the associated teeth
- Intracranial extraaxial small mass arising from the pituitary fossa
- Suspect inspissation concrement gallbladder
- Periodontal disease 103
- Multiple absent teeth
- No evidence of pulmonary metastatic disease

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

6 Years

The osteoproliferative mass of the at the rostral aspect of the right maxillary bone can present a large peripheral odontogenic fibroma, odontogenic tumor or region of chronic osteomyelitis due to periodontal disease of triadan 103. Other potentials, such as osteosarcoma, chondrosarcoma, fibrosarcoma, are considered less likely here due to the lack of more aggressive imaging features. Either excisional biopsy of the mass or rostral maxillectomy are potential treatment options – potential osteotomy lines are in the midline and distal to triadan 104.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The small mass originating from the pituitary fossa is highly suggestive for (non)functional pituitary adenoma, meningioma would be a likely differential in this position as well.

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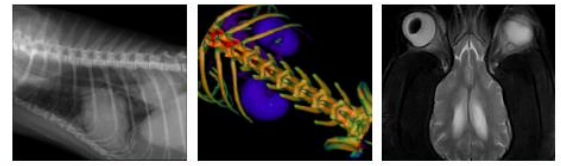
Dr. Lea Mehrkens

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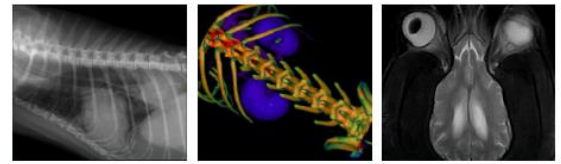
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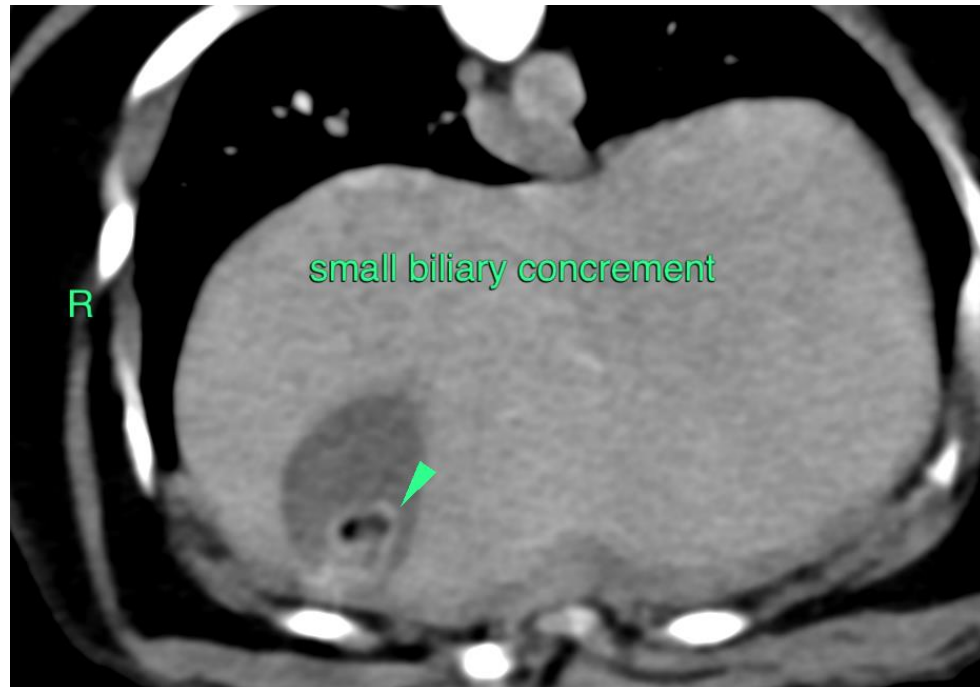
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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