



PATIENT

Kelly Bell

PRESENTING CLINICAL SIGNS

Hx of left parathyroidectomy (2019) salivary adenocarcinoma Treated with radiation and doxorubicin. Recently has been inappentant and has elevated kidney values.
Abnormal PE/Chem/CBC/UA Results: Crea 3 BUN 129 Phos 7.4 USG 1.013

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the skull and a post-contrast CT study of the thorax and abdomen are provided for review.

BREED

Beagle

COMPUTED TOMOGRAPHIC FINDINGS

Skull

SEX

The tooth elements 106, 110, 311, 4109 and 411 are absent.

FS

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

AGE

13

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

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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.

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Referral Hospital

The right mandibular salivary gland is absent and small metal attenuating bodies are seen in the region of the maxillary & linguofacial vein.

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.

REFERRING VET

Dr. Runde

A cutaneous wart-like lesion is seen at the dorsal aspect of the skull.

The thyroid glands are within normal limits for size, shape, attenuation behavior and contrast enhancement pattern.

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Thorax

A lipoma is seen in the subcutaneous tissue of the right axillary region and the right thoracic wall.

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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 contrast enhancement pattern is uniform and considered within normal limits.

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



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The dorsal dependent aspects of the lung parenchyma present multiple regions with dystelectasis. In a second degree bronchus of the right cranial lung lobe, a

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

SPECIES Abdomen

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

BREED
Beagle
The volume of the left kidney is mild to moderately decreased and the margins are mildly irregular. The renal pelvis of the left kidney is mildly dilated. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

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

FS
Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

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

13
The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

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The intervertebral disc T13/L1 is moderately protruding into the vertebral canal, occupying approximately 55% of the cross-sectional area of the vertebral canal at the same level. The dural tube level T13/L1 is displaced dorsally and deformed. All intervertebral discs of the lumbar spine are mild to moderately protruding into the vertebral canal, distorting the ventral epidural space and mildly the dural tube at the same level.

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Multiple lipomas are seen in the gluteal region and the thigh musculature.

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Dr. Runde

- History of sialoadenectomy right mandibular salivary gland due to carcinoma
- Intraluminal small bronchial soft tissue mass right cranial lung lobe
- Left sided chronic nephropathy with secondary mild pyelectasia
- Serial intervertebral disc protrusion lumbar spine with spinal cord compression
- Subcutaneous lipoma right axillary region and right thoracic wall and multifocal throughout the gluteal region and along the thigh musculature
- Multiple absent teeth
- Wart-like cutaneous lesion dorsal aspect of skull
- Spondylosis deformans

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is an intraluminal plaque like lesion attached to the bronchial wall of a second degree bronchus of the right cranial lung lobe and potentials include mucous plug, bronchial polyp or bronchial neoplasia such as bronchogenic carcinoma. The clinical relevance of this finding for the



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current clinical signs is unclear and cough appears to be first clinical sign.

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No additional clinically relevant abnormalities are appreciated, explaining the current clinical signs. However, acute on chronic renal disease might be a potential. If not done so yet, complementing workup by cpl appears beneficial as well.

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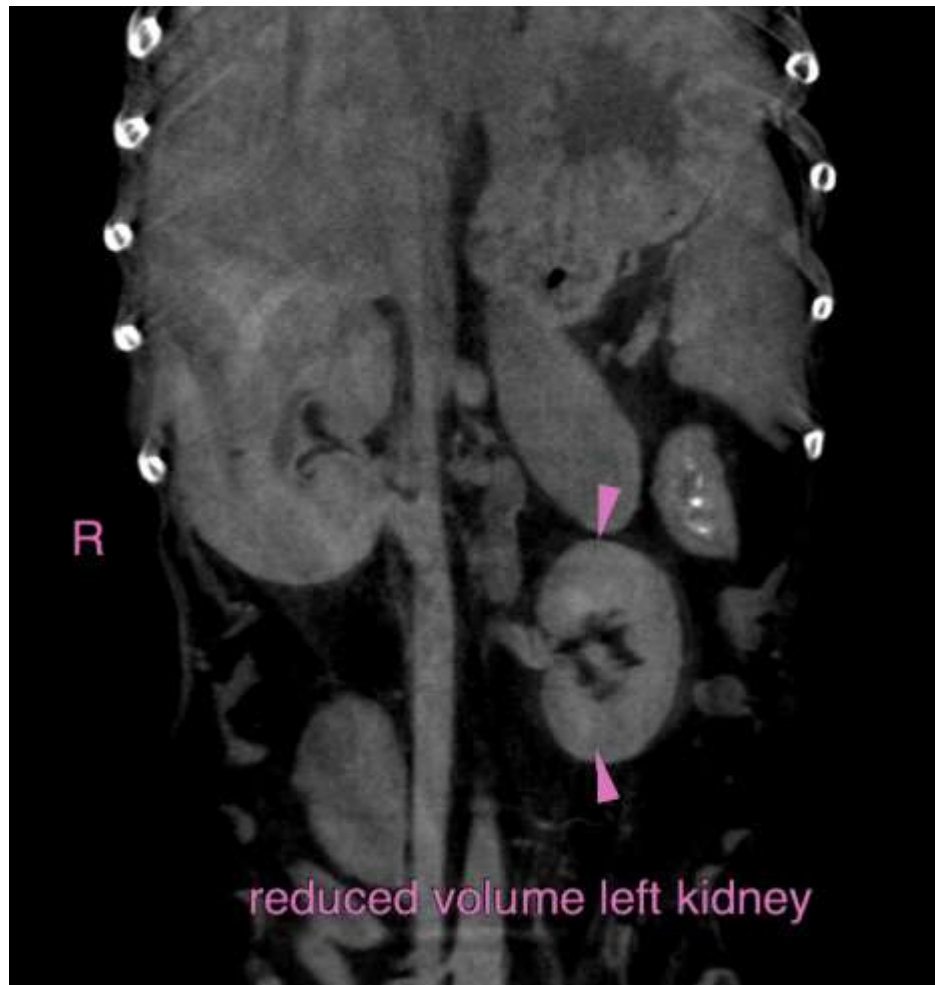
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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