



## PATIENT PRESENTING CLINICAL SIGNS

Roger Smith Hearing loss and PUPD.

## SPECIES

Canine

## COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & ABDOMEN

Plain and post contrast studies are available for review.

## COMPUTED TOMOGRAPHIC FINDINGS

### BREED

#### HEAD

Labrador Retriever The brain parenchyma, ventricles and meninges are normal in morphology, symmetry and attenuation.

### SEX

No evidence of mass lesions, hemorrhage or structural parenchymal abnormality is seen.

MN

The pituitary gland is normal in size and configuration.

### AGE

10yr

The middle and inner ears are bilaterally normal. Mild diffuse thickening of the lining of the external auditory meatus is seen consistent with mild chronic bilateral otitis externa.

The regional lymph nodes present within normal limits.

## INTERPRETED BY

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

#### ABDOMEN

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

Asymmetric reduction in renal size with reduced cortical enhancement and several small cortical cysts and infarctions are seen in the cranial pole of the right kidney. The left kidney is normal in size, shape and enhancement pattern. The right nephrogram is mildly reduced.

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The adrenal glands are within normal limits for size, shape and organ architecture. Caudal pole diameter of the left and right adrenal glands is 7 mm.

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

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

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

The surrounding soft tissue structures reveal no abnormalities.

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Bilateral hip dysplasia with joint osteoarthritis is seen.

## COMPUTED TOMOGRAPHIC DIAGNOSIS



## PATIENT

Roger Smith

- Normal pituitary gland and adrenal glands
- Normal liver
- Right renal cortical infarcts and cortical cysts with asymmetry in renal size and reduced nephrogram suggestive of chronic right renal pathology

## SPECIES

Canine

- Mild bilateral otitis externa no evidence of otitis media or interna
- Bilateral hip dysplasia with joint osteoarthritis

## BREED

Labrador Retriever

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

No CT evidence of pituitary or adrenal enlargement to support Cushing's disease. The hearing loss is unlikely due to structural middle or inner ear disease given the normal findings in those regions. The brain and meninges present within normal limits as well. Signs of mild chronic bilateral otitis externa are seen further. Ooscopic workup and clinical correlation are required.

## SEX

MN

The right kidney changes are chronic and likely degenerative or inflammatory in nature. Recommend correlation with renal function tests and UA. No imaging evidence of endocrine abnormalities to explain the PU/PD is seen. Consider further laboratory workup for metabolic renal or endocrine causes.

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## BREED

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## SEX

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## AGE

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pituitary gland wnl

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## BREED

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## SEX

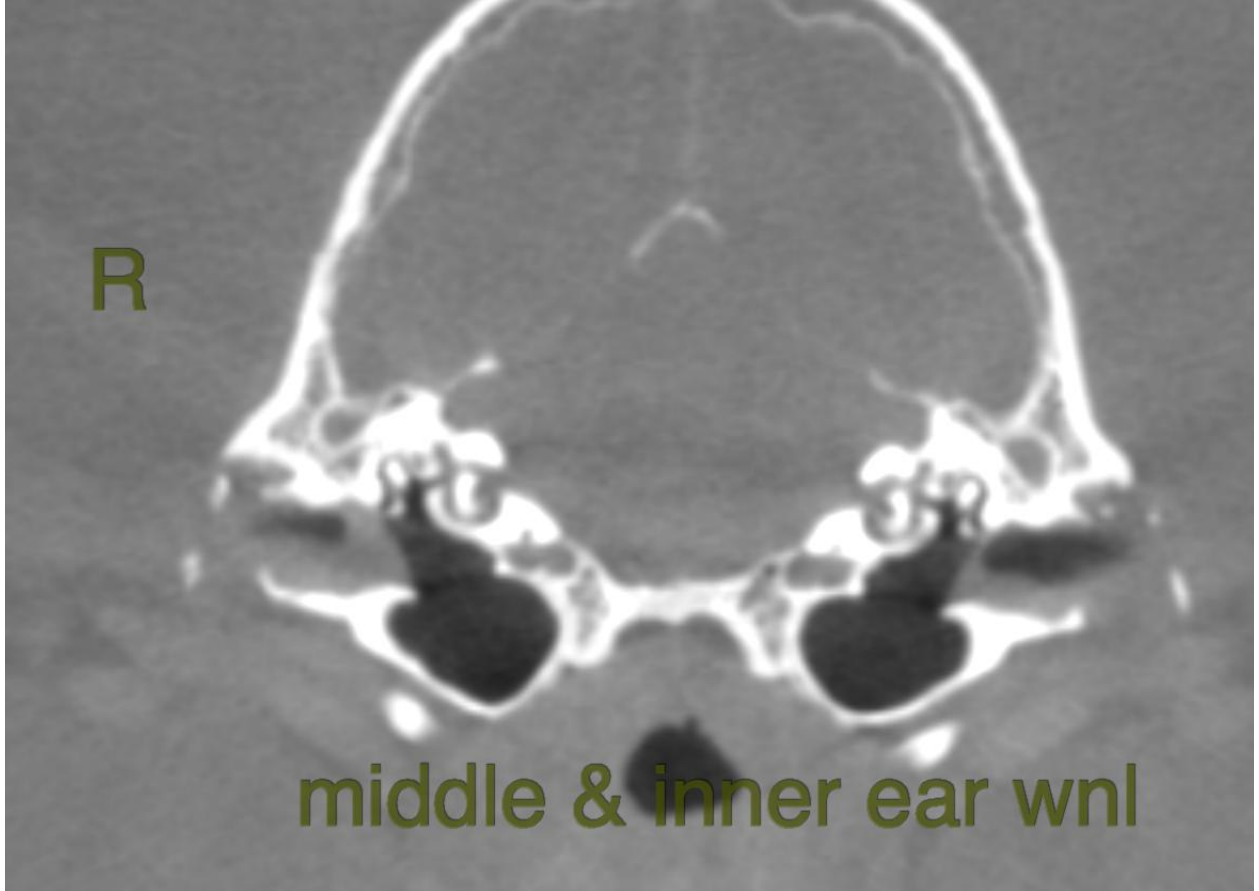
MN

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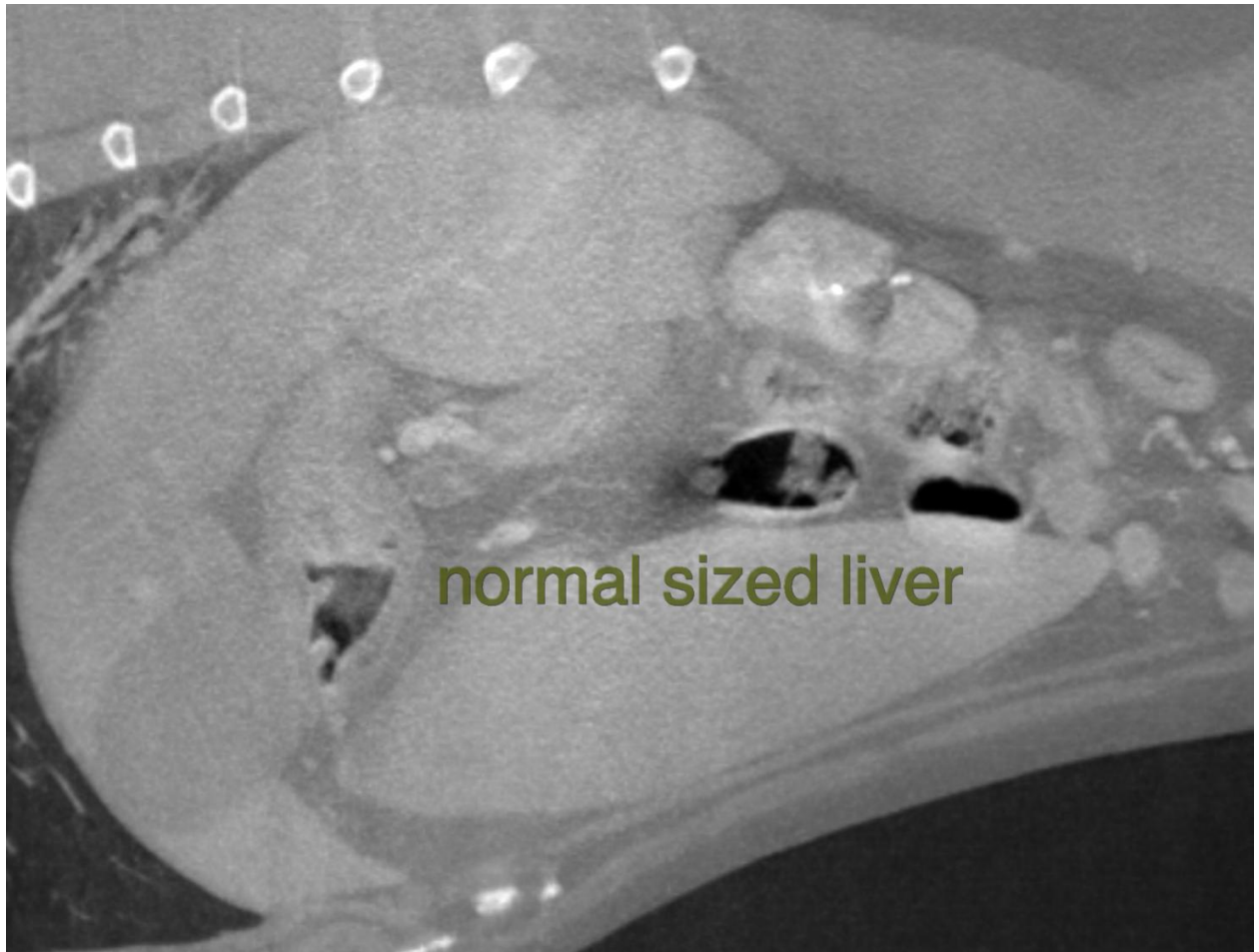
Armstrong

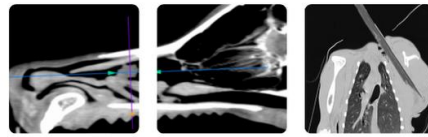
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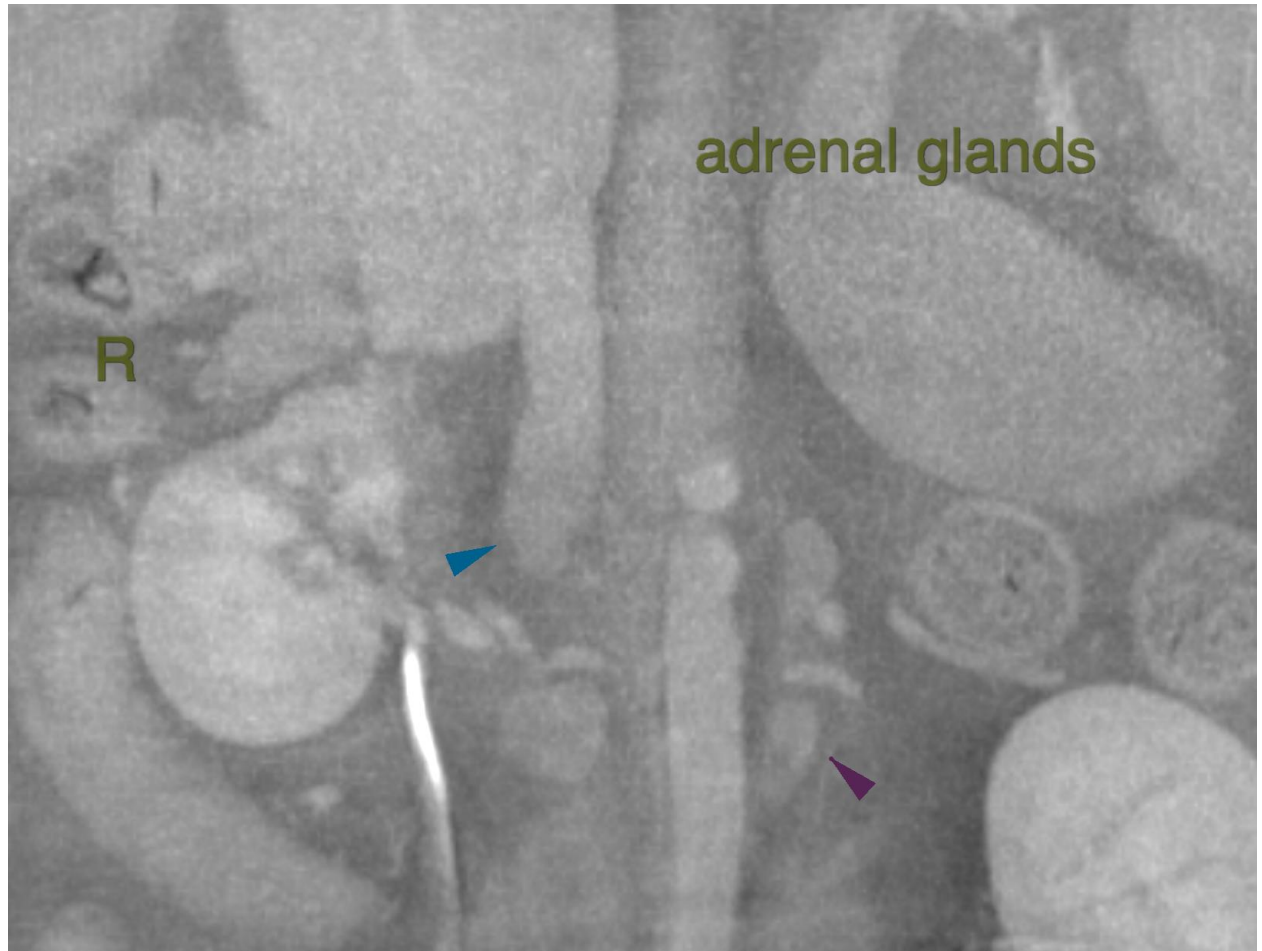
Armstrong

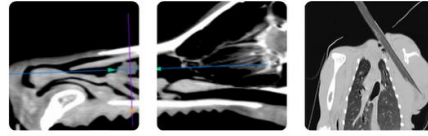
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## PATIENT

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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.

## SPECIES

Canine

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.

## BREED

Labrador Retriever

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