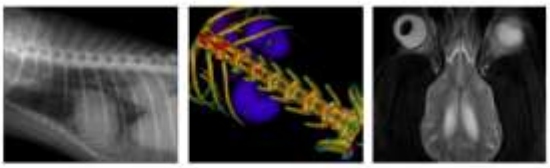

SonoPath.com
1-800-838-4268 info@sonopath.com

**PATIENT**

Tula Williams

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

FS

**AGE**

1

**INTERPRETED BY**

Nele Eley, DVM
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Wilvet Salem

**REFERRING VET**

Dr. Crystal Ebert

**INVOICE**

47865

**DATE**

10-20-21

## PRESENTING CLINICAL SIGNS

Patient was crying out in pain. Referred by rDVM as neurological with rule outs head trauma, vs portosystemic shunt. Pt was no longer neurologically abnormal on presentation, but did cry out when neck flexed to the left during neuro exam

## COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & ABDOMEN

Plain studies including 6 scans with 584 images each available for review. A post-contrast study is not available for review.

## COMPUTED TOMOGRAPHIC FINDINGS

### Head

The patient has a brachycephalic head conformation with dome shaped calvarium and shortened facial bones. A wide open fontanelle is seen. There is a keyhole malformation of the supraoccipital bone. The skull sutures are not entirely closed. No evidence of traumatic osseous injury is seen.

There is no evidence of craniocervical malformation/atlantoaxial subluxation.

Mild lateral ventricular asymmetry is seen which, however, is considered within the limits of normal anatomic variation.

### Abdomen

Size and shape of the liver present within normal limits. The attenuation of the hepatic parenchyma is within normal limits on the plain study.

The gallbladder appears to be moderately distended with uniformly fluid attenuating bile.

Visibility of the abdominal vasculature is limited on the plain study; however, as far as seen, no evidence of an extrahepatic portosystemic shunt can be noted.

Presence of faintly mineral attenuating material is seen within the renal diverticuli and renal pelvis of both kidneys.

No evidence of urinary bladder sand or calculi is noted.

The adrenal glands, spleen, pancreas, and gastrointestinal tract present within normal limits.

Number, alignment, and anatomy of the lumbar vertebrae present within normal limits. No evidence of disc extrusion is identified.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- No evidence of traumatic osseous injury of the skull.
- Brachycephalic head type with open fontanelle and supraoccipital bone malformation.
- No evidence of atlantoaxial subluxation.
- Limited assessment of the abdomen with no portosystemic shunting seen.

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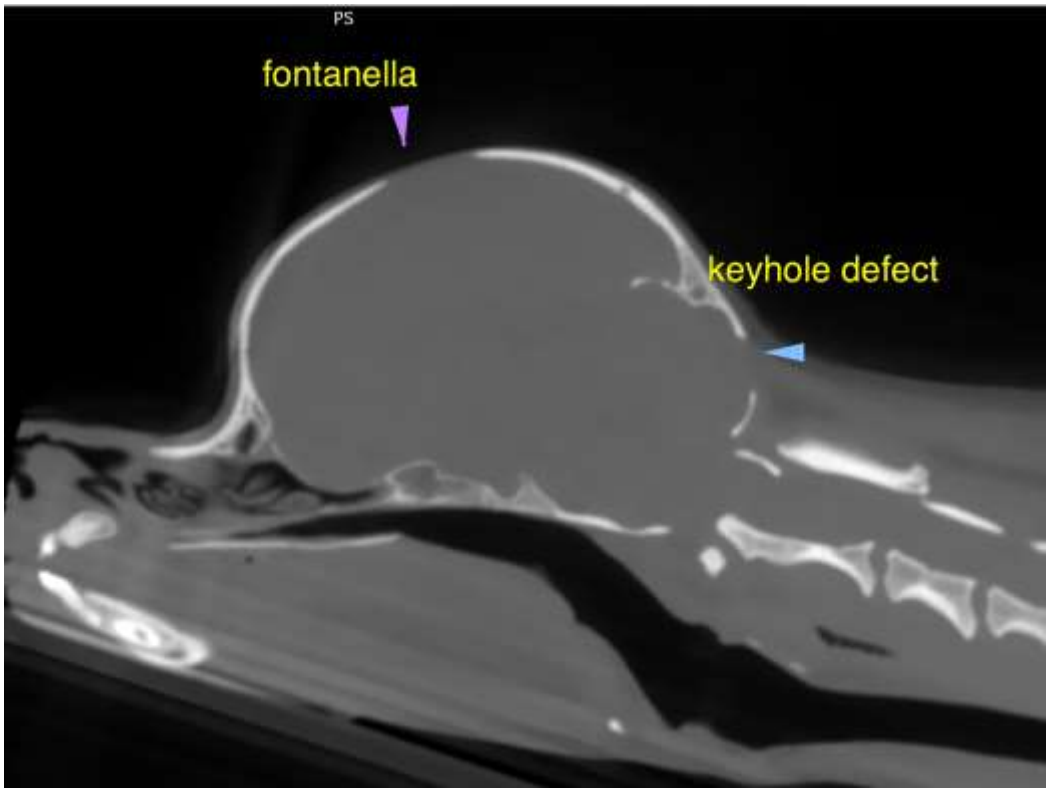
- Bilateral hypercalcemic nephropathy.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Limited study. Please send post-contrast study if available.

As far as assessable, there is no evidence of structural hepatopathy or extrahepatic portosystemic shunting. However, a post-IV contrast study is required for a final conclusion. The presence of diffuse hepatopathy cannot be ruled out.

The mineral attenuating material within the collective system of both kidneys may represent ammonium urates or other crystals/stones. Correlate with the laboratory workup.



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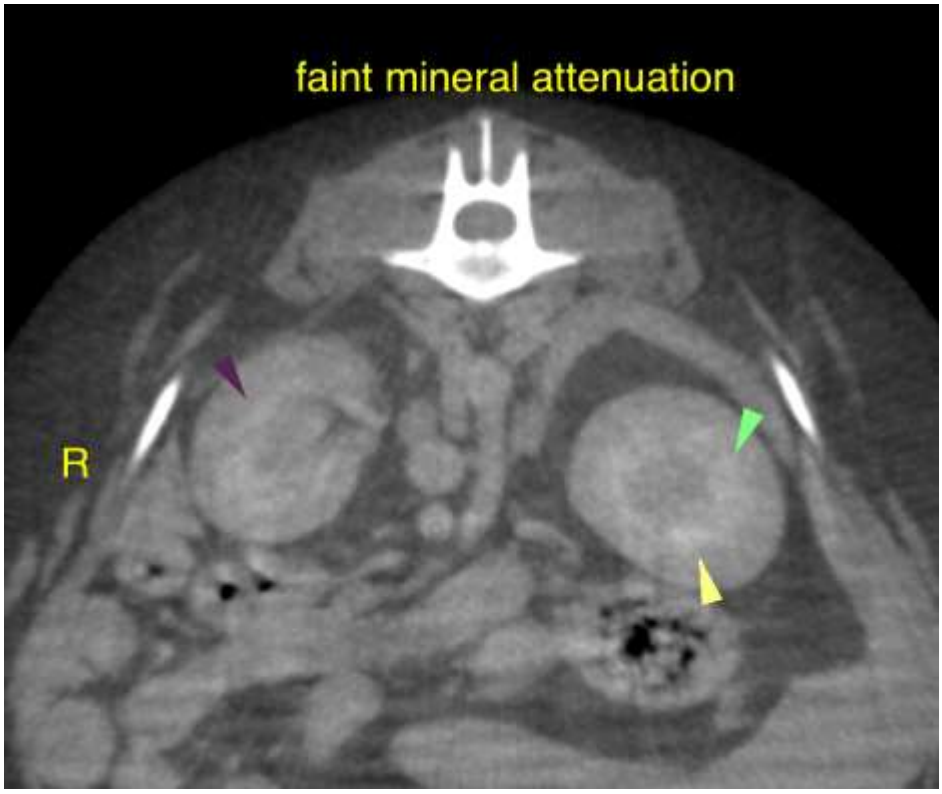


**The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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.

**Nele Eley**, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
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Nele.Eley@sonopath.com