



**PATIENT PRESENTING CLINICAL SIGNS**

Zurich Fort Reason for referral: CT SCAN OF HEAD, OWNER CONSIDERING WHOLE BODY CT SCAN. History: PTYALISM, QUESTIONABLE MENACE RESPONSE, INTERMITTENT VESTIBULAR SIGNS. The patient's testicles never descended. Drugs: After Dental Prophylaxis and extractions send home with Clindamycin oral suspension 1 ml po bid - owner complained that pet start salivating and acting abnormal. Recommended to discontinue medication for now and recommended CT Scan of head and ophthalmologist consult with Dr. Bras.  
 Abnormal PE/Chem/CBC/UA Results: CBC - wnl Sma - mild high Alt (170) mild high Glob (3.9)

**BREED COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX** Skull

M Multiple teeth are absent.

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

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

**INTERPRETED BY** 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.

Sebastian Schaub, DVM  
 Dr. med. vet. DipECVDI

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 lateral ventricles are prominent. A small supracollicular fluid accumulation is seen.

**HOSPITAL NAME** 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.

Veterinary Image Center

Thorax

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

Dr. J. Diaz Umpierre, DVM

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.

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

57003 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.

**DATE** The lung parenchyma presents the expected architecture and attenuation behavior.

2-28-23 Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.



## PATIENT

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### Abdomen

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

## SPECIES

Canine

Both kidneys present within normal limits for size, shape and organ architecture. The renal papilla bilaterally is mildly hyperattenuating in the plain CT. A very small amount of mineral attenuating material is associated with the left renal pelvis. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted. The testicles are appreciated intraabdominal, lateral to the urinary bladder.

## BREED

Biewer Terrier

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

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

## SEX

M

The right medial and lateral liver lobe cannot be delineated. The remainder of the liver present the expected attenuation and contrast enhancement pattern with smooth hepatic margins

The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

## AGE

8 Years

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

## INTERPRETED BY

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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

The bony and surrounding soft tissue structures reveal no abnormalities.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

## HOSPITAL NAME

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## REFERRING VET

Dr. J. Diaz Umpierre,  
DVM

- Ventriculomegaly and supracollicular fluid accumulation
- Multiple absent teeth
- Mild nephrolithiasis without signs of mechanical obstruction
- Suspect congenital agenesis/hypoplasia right liver lobes
- Multiple absent teeth
- No evidence of portosystemic shunting, neither intra- nor extrahepatic
- Normal thorax
- Normal spine

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## INVOICE

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The CT study presents without clinically relevant pathologies, explaining the described clinical signs. The clinical relevance of the ventriculomegaly is questionable as well as the agenesis of the right hepatic lobes.

If not yet done so, the workup should be complemented by examination of CSF. In case of the strong clinical suspicion of structural intraparenchymal changes an MRI may be considered.

## DATE

2-28-23



**PATIENT**

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**SPECIES**

Canine

**BREED**

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**SEX**

M

**AGE**

8 Years

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**HOSPITAL NAME**

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**REFERRING VET**

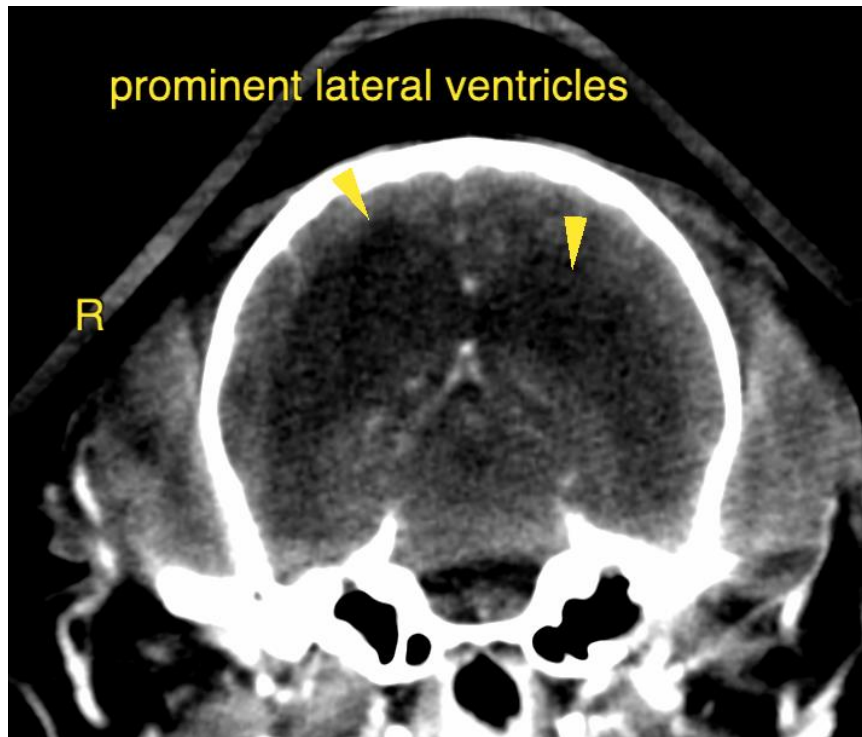
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**INVOICE**

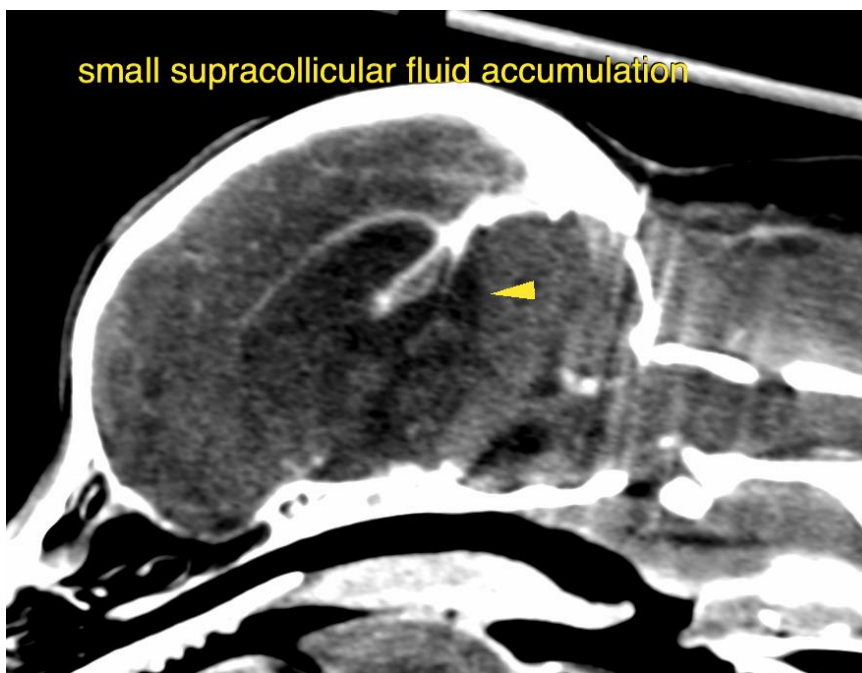
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**DATE**

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prominent lateral ventricles



small supracollicular fluid accumulation



**PATIENT**

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**SPECIES**

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**BREED**

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**SEX**

M

**AGE**

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**PATIENT**

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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.

**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**

Biewer Terrier

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**SEX**

M

**AGE**

8 Years

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