



**PATIENT PRESENTING CLINICAL SIGNS**

Wolverine Tavarez Patient presents for incoordination and hyporexia for the last 2 weeks. History of seizures and taking Keppra for 1 year approximately. On PE, patient is ambulatory x4 but has delayed proprioceptive reflex on both front limbs. Limited rest of PE due to patient's anxiety. On July 24, 2023 patient will be started on prednisolone and gabapentin. Owner reported a incident with another dog --- possible head trauma.

Canine Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- unremarkable

**BREED COMPUTED TOMOGRAPHIC STUDY OF THE SKULL & NECK**

Pomeranian A high resolution pre- and post-contrast CT study of the skull and neck is provided for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**  
Male The tooth elements 105, 110, 205, 206, 210, 305, 308, 311, 405 and 411 are absent. Triadan 209 presents a significant widened periodontal space of the buccal roots.

**AGE**  
7 Years In the caudal aspect of the nasal cavity bilaterally, a small volume of fluid attenuating material is attached to the nasal turbinate structures.

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 partially filled with non-contrast enhancing soft tissue material. The external ear canals are within normal limits.

**HOSPITAL NAME**

Veterinary Image  
Center

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 mildly dilated. An open bregmatic fontanelle is appreciated as well as two foci with incomplete ossification of the calvarium. The foramen magnum presents a prominent dorsal notch.

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. J. Garcia, DVM

The intervertebral discs C2/C3, C5/C6 and C6/C7 are protruding into the vertebral canal, occupying approximately 5-10% of the cross-sectional area of the vertebral canal at the same level. The vertebral endplates C5/C6 and C6/C7 present mild spondylosis formation.

**INVOICE COMPUTED TOMOGRAPHIC DIAGNOSIS**

- 23679
- Intervertebral disc protrusion C2/C3, C5/C6 and C6/C7 without compressive myelopathy
  - Mild rhinitis

**DATE**

7/27/23



**PATIENT**

Wolverine Tavarez

- Periodontal disease 209
- Multiple absent teeth
- Spondylosis deformans C5/C6 and C6/C7
- Incomplete ossification bregmatic fontanelle
- Incidental mild ventriculomegaly
- Keyhole malformation foramen magnum
- Structural normal brain

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**BREED**

Pomeranian

In the present study of the brain there is no evidence of macromorphological disease, which supports the presumptive diagnosis of idiopathic epilepsy.

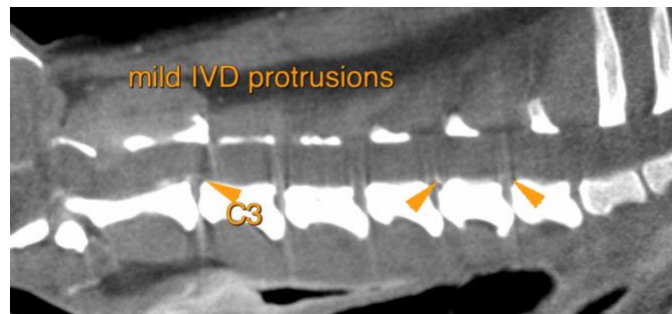
**SEX**

Male

If not yet done so the workup should be complemented by examination of CSF and complete bloodwork to screen for brain disease that is not necessarily associated with structural changes of the brain parenchyma and rule out hepatoencephalopathy and other systemic illness. In case of the strong clinical suspicion of structural intraparenchymal changes an MRI may be considered.

**AGE**

7 Years



**INTERPRETED BY**

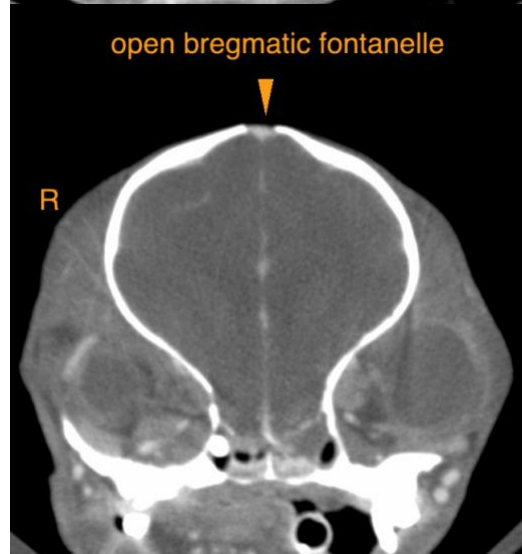
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**HOSPITAL NAME**

Veterinary Image  
Center

**REFERRING VET**

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**PATIENT**

Wolverine Tavarez

**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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
info@sonopath.com

**BREED**

Pomeranian

**SEX**

Male

**AGE**

7 Years

**INTERPRETED BY**

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DVM Dr. med. vet.  
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