



**PATIENT**

Woody Angel

**PRESENTING CLINICAL SIGNS**

Patient presented for having seizures. According to owner patient lost eyesight after having seizure. At this time it is unknown if patient has any history of seizures. Patient does have a history of a heart murmur.

**SPECIES**

K9

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, THORAX, ABDOMEN, & SPINE**

Plain and post contrast studies available for review.

**BREED**

Dachshund

**COMPUTED TOMOGRAPHIC FINDINGS**

**Head & Neck**

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

**SEX**

MN

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining. The osseous lining of the nasal cavities is intact.

**AGE**

14 Years

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

**INTERPRETED BY**

Nele Eley, 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 auditory meatuses present within normal limits.

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.

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Hospital Deland

The salivary glands present within normal limits.

Hypodontia is noted. Dental plaques and signs of periodontal disease are seen affecting the remaining teeth. Moderate atrophy of the alveolar crest is seen in all quadrants.

**REFERRING VET**

Dr. Lemanski

Both lobes of the thyroid gland are seen and present within normal limits.

**Spine**

Multiple sites of intervertebral disc mineralization are noted throughout the cervical, thoracic, and lumbar spine.

**INVOICE**

59259

Moderate chronic intervertebral disc protrusion is seen between T13 and L1 with spondylosis deformans and mild compressive myelopathy.

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Mild lumbosacral intervertebral disc protrusion is noted.

**Thorax**



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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 attenuation and contrast enhancement pattern are uniform and considered within normal limits.

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

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K9

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.

**BREED**

Dachshund

The lung parenchyma presents the expected architecture and attenuation behavior.

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

**SEX**

MN

**Abdomen**

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

**AGE**

14 Years

The bilateral kidneys present multiple cortical renal cysts and infarcts.

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

The spleen is not seen in the abdomen.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

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

A mild amount of mineral attenuating material is seen in the gallbladder.

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

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

**REFERRING VET**

Dr. Lemanski

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Normal CT presentation of the brain.
- Biliary microlithiasis.
- Multiple cortical renal cysts and infarcts, suspect degenerative changes. Differential diagnosis: nephritis.
- Absence of the spleen – likely due to prior splenectomy.
- Moderate chronic intervertebral disc protrusion T13/L1.
- Mild degenerative lumbosacral stenosis.
- Hypodontia and periodontal disease with dental plaques.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study does not reveal evidence of structural brain pathology. An intracranial mass effect



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cannot be identified. Cerebrovascular disease including ischemic and macroangiopathy remain a potential. Cryptogenic and metabolic as well as other systemic disease are potential considerations as well. An MRI could be considered in case of therapy refractory seizure activity.

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**SEX**

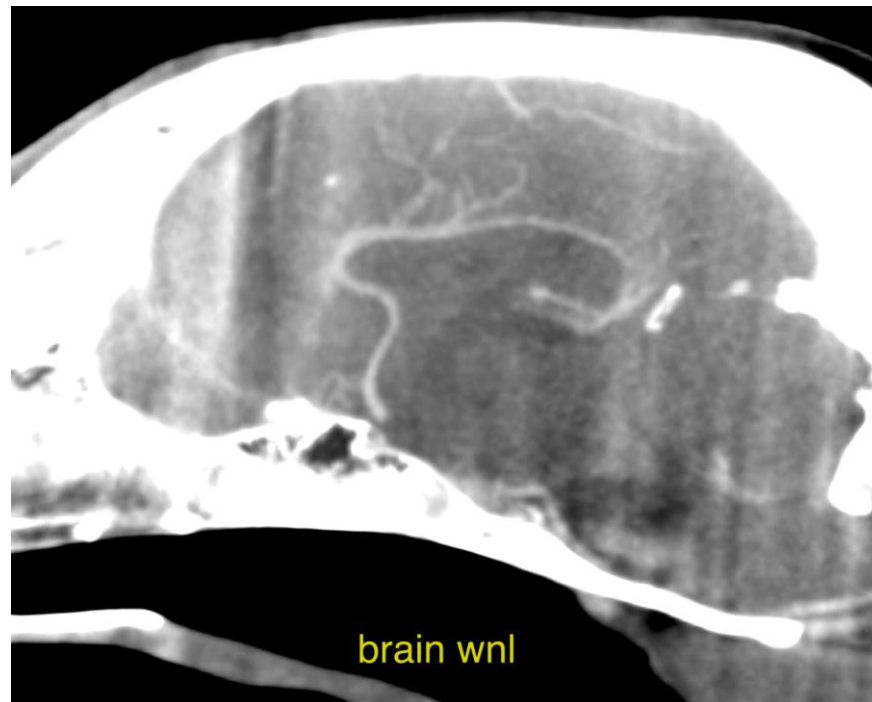
MN

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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.

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.

**REFERRING VET**

Dr. Lemanski

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