



**PATIENT PRESENTING CLINICAL SIGNS**

Lucy Short acute onset tetra-ataxia, dull mentation and head tremors after jumping off couch last night, clinically improved this morning after steroids and mannitol, neurologic deficits resolved but still appears to have neck pain/decreased movement history greenstick tibia fracture that healed conservatively as a puppy  
**Abnormal PE/Chem/CBC/UA Results:** blood work normal

**SPECIES**

Canine **COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, CERVICAL & THORACIC SPINE**

**BREED** A pre- contrast CT study of the head, cervical spine and thoracic spine are provided for review. A head, cervical, thoracic spine is seen in 1 series. Transverse bone algorithms.

**COMPUTED TOMOGRAPHIC FINDINGS**

Swiss Mountain Dog

**HEAD**

**SEX** The calvarium osseous and facial osseous structures are intact and symmetrical.

FI No evidence of traumatic fracture or aggressive bone lesion.

**AGE** No evidence of increased soft tissue volume or changes on attenuation of the soft tissue adjacent to the head and face.

4 Months The brain attenuation is normal.

No evidence of a mass effect.

**INTERPRETED BY**

The cribriform plate is normal.

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The nasal cavity, pharynx, and larynx are normal.

The frontal sinuses are normal.

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The bulla cavity and auditory canal are normal.

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The retrobulbar spaces normal.

Bilaterally, the temporomandibular joints are congruent.

**REFERRING VET**

All teeth are present, juvenile dentition.

Short Normal open physis, juvenile.

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**SPINE** (C1-C7, T1- to T13, 13 pairs of ribs)

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Seven cervical and thirteen thoracic vertebrae are seen. The vertebrae bodies are normal in size, shape, and attenuation.

Normal spine alignment, the dens is intact.

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**PATIENT** No narrowed intervertebral disc spaces or changes in the intervertebral discs or attenuation.

Lucy Short No narrowing of the vertebral canal.

No aggressive or acute traumatic osseous abnormalities identified.

**SPECIES**

On collimated thorax:

Canine

There is an elongated and small, soft tissue attenuating, and homogeneous structure within the cranial mediastinum. It measures approximately 3.3cm x 2.5cm in length.

**BREED**

The trachea and main bronchus are normal.

Swiss Mountain Dog

The pulmonary parenchyma is normal in attenuating.

**SEX**

The pleural space is normal.

FI

The diaphragm and thoracic wall are normal.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**AGE**

4 Months

- Normal cervical and thoracic spine, no osseous abnormalities are identified.
- Normal head and facial bone structures.
- No evidence of mass effect or abnormal enhancement in the brain.
- Wide mediastinum, by small well-defined, soft tissue attenuating structure, differential diagnosis includes incomplete involution of the thymus.
- Otherwise, normal collimated airway and thoracic structures.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No tomographic changes are detected in the osseous spine, head, or brain attenuation (or mass effect) that could be correlated to the clinical signs. However, the tomography's sensibility is low compared to MRI. A medullary trauma without evident osseous structure involvement, hemorrhagic medullary lesion, inflammatory, infectious, or other causes of myelopathy could be considered as differential diagnosis.

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**PATIENT**

Lucy Short

**SPECIES**

Canine

**BREED**

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**SEX**

FI

**AGE**

4 Months

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DMV, MSc., Dr. Med  
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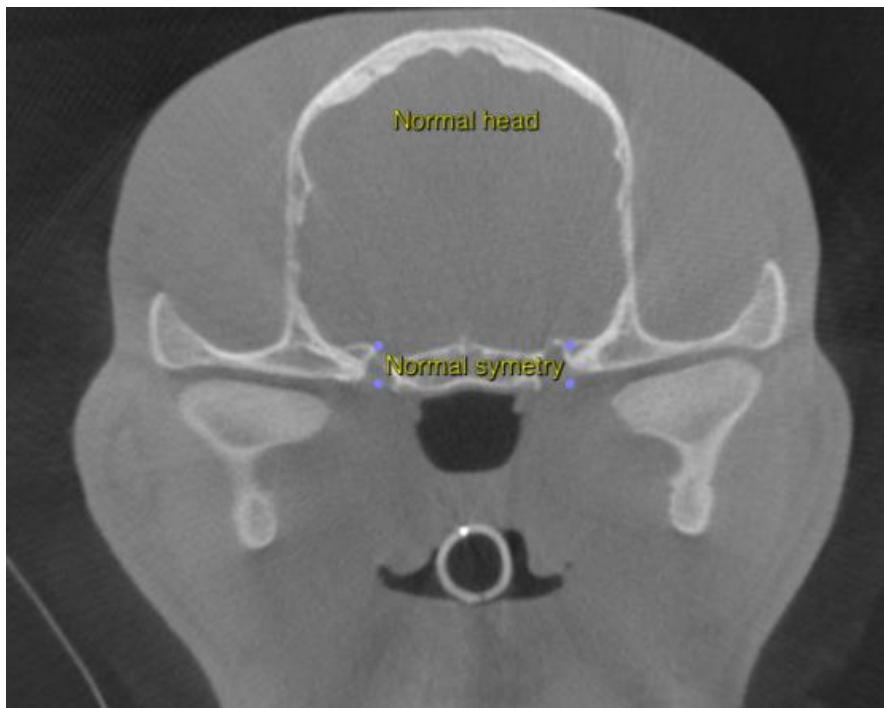
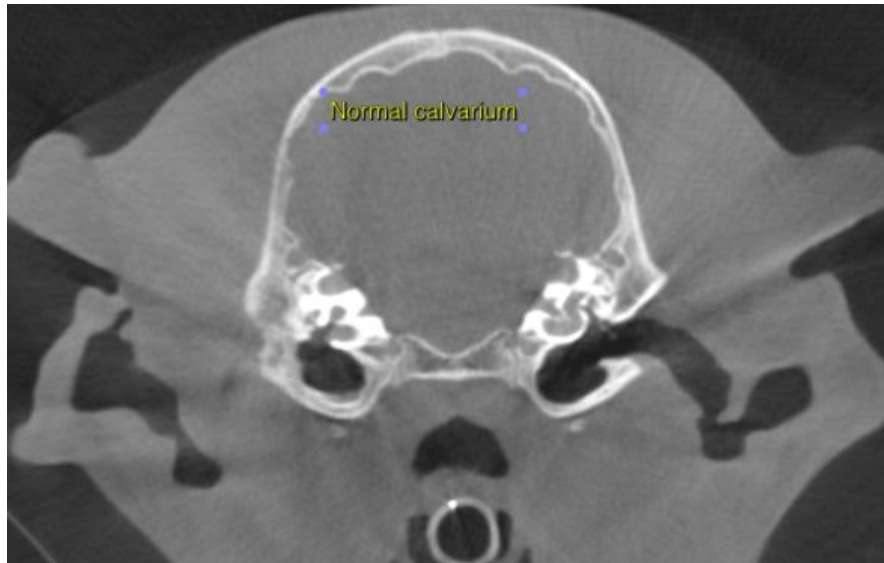
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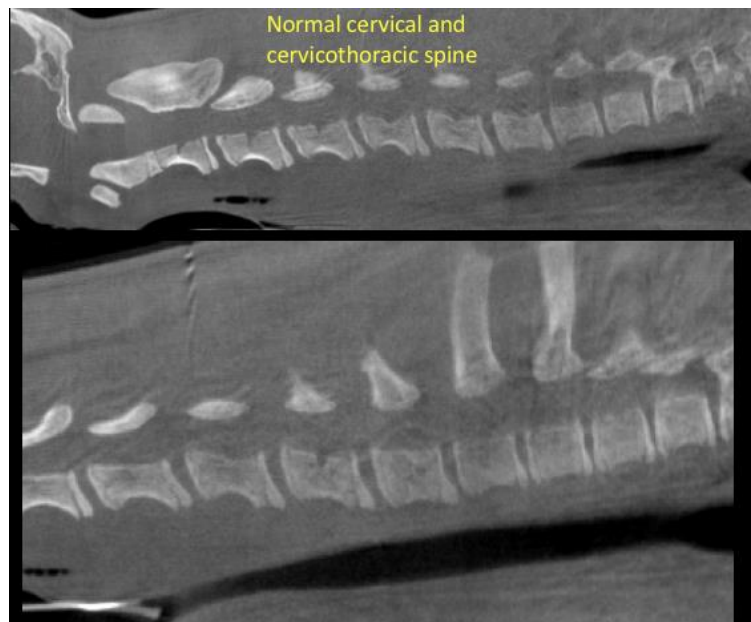
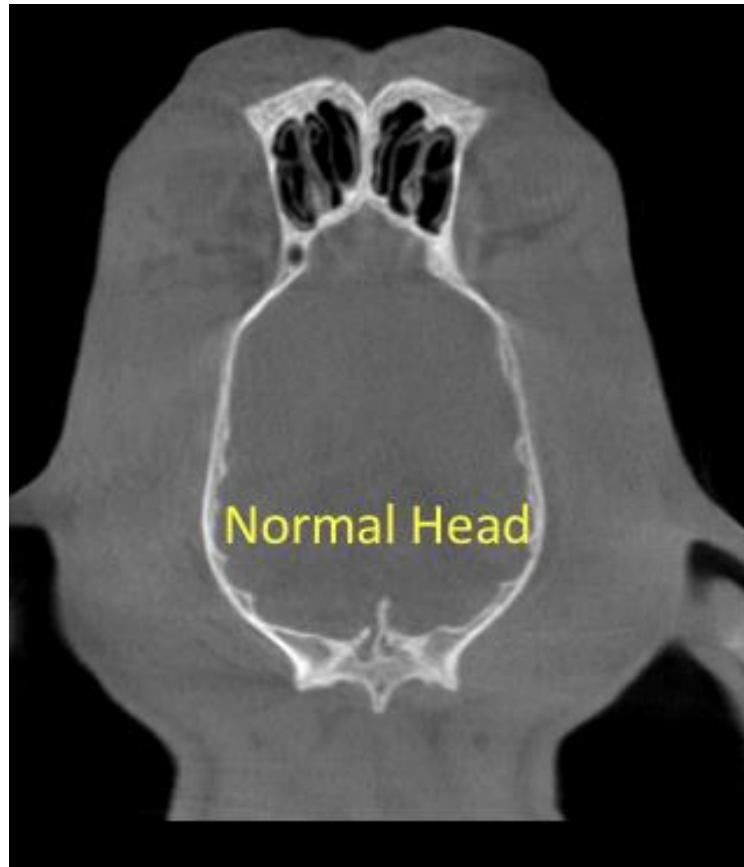
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**PATIENT**

Lucy Short

**SPECIES**

Canine

**BREED**

Swiss Mountain Dog

**SEX**

FI

**AGE**

4 Months

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.

**INTERPRETED BY**

Tilde Rodrigues Froes,  
DMV, MSc., Dr. Med  
Vet., Dipl. CBraRVet

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.

**Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet**  
info@sonopath.com

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