



**PATIENT PRESENTING CLINICAL SIGNS**

Milo Klein Had radiation shortly after previous CT in March. See previous CT report attached.  
Abnormal PE/Chem/CBC/UA Results: Doing well, ambulatory x 4

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

Canine Plain and post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**

Goldendoodle

Patient has a history of right sided femoral head ostectomy because of end stage degenerative joint disease.

**SEX**

Neutered Male

Sclerosis and laminar periosteal new bone formation of the acetabulum and ostectomy site are seen. A moderate amount of soft tissue is situated within the acetabulum and former joint area and presents mild nonuniform contrast enhancement. No overt evidence of aggressive osteolytic changes is seen.

**AGE**

9 Years

The right hind limb presents severe atrophy of its musculature.

Mild degenerative joint disease of the left coxofemoral joint is noted.

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

**Spine**

The expansile aggressive osteolytic lesion within the 6<sup>th</sup> cervical vertebra has remained the same in size. Severe rightward deviation and compression of the spinal cord is seen (see image below). The cross sectional area of the vertebral canal has been reduced by approximately 75%. The lytic changes within the vertebral body and lamina are stationary.

A single area of round geographic lysis is seen within the vertebral body of T11.

**Head**

**HOSPITAL NAME**

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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.

**REFERRING VET**

Meaux

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

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

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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.

**DATE**

5-13-22

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.



**PATIENT** The salivary glands present within normal limits.

Milo Klein The visible dentition is within normal limits.

**Abdomen**

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

**BREED** Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

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

**SEX** Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

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

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

9 Years **Thorax**

**INTERPRETED BY** 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.

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

**HOSPITAL NAME** 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.

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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.

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

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- Stationary expansile aggressive osteolytic lesion of the 6<sup>th</sup> cervical vertebra with severe extradural spinal cord compression and compressive myelopathy.
- History of right sided femoral head ostectomy.
- Mild degenerative joint disease - left coxofemoral joint.
- Suspect fatty bone marrow - vertebral body T11.
- Pulmonary osteomas.
- Spondylosis deformans.
- No evidence of pulmonary metastatic disease.



**PATIENT INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**Milo Klein** The aggressive osteolytic lesion of the 6<sup>th</sup> cervical vertebra is stationary as well as the associated spinal cord compression.

**SPECIES** The findings of the right acetabulum suggest active osseous remodeling after femoral head ostectomy. Mild concurrent inflammation cannot be ruled out. The potential for malignant transformation is considered low at this point.  
**Canine**

**BREED** The geographic lytic lesion within the vertebral body of T11 is likely to represent fatty bone marrow; however, metastatic disease or neoplasia of bone such as multiple myeloma, lymphosarcoma, or other cannot be ruled out entirely.  
**Goldendoodle**

**SEX**

Neutered Male

**AGE**

9 Years

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**HOSPITAL NAME**

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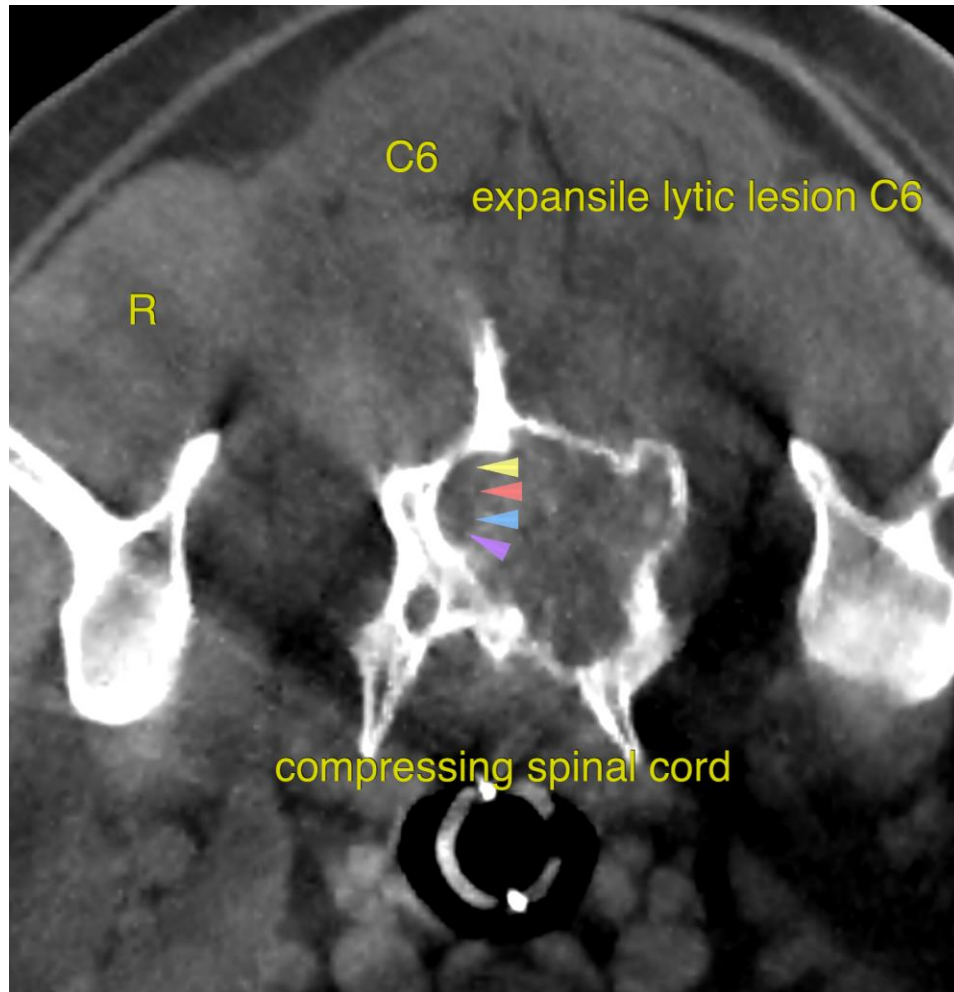
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**DATE**

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**PATIENT** 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.

Milo Klein

**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**

Goldendoodle

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**SEX**

Neutered Male

**AGE**

9 Years

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