



## PATIENT PRESENTING CLINICAL SIGNS

Mickey Marrero Presented with a history of Non ambulatory paraplegia. Hyperreflexia P.L, normal perineal tone.

## SPECIES

Canine

## COMPUTED TOMOGRAPHIC STUDY OF THE THORACOLUMBAR SPINE

Plain study and lumbar myelogram available for review.

## COMPUTED TOMOGRAPHIC FINDINGS

## BREED

Shih Tzu

Severe aggressive osteolytic lesion of the L1 vertebral body and vertebral arch is seen. The pattern of osteolysis is permeative with multifocal cortical bone destruction and associated loss of normal bone architecture.

## SEX

Male

Mild circumferential extradural soft tissue attenuation surrounding the spinal cord is seen resulting in spinal cord compression. Moderate widening and irregularity of the central canal of the spinal cord with canalogram is seen.

No additional osteolysis lesions of the imaged spine are identified.

## AGE

4yr

The remaining vertebrae and intervertebral disc spaces are unremarkable.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Monostotic aggressive osteolytic lesion of L1 with extradural spinal cord compression and mild extradural component causing spinal cord compression and infiltration or necrosis of the spinal cord

## INTERPRETED BY

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

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

## HOSPITAL NAME

Westchester Animal  
Hospital

The imaging features are highly concerning for aggressive bone pathology most consistent with primary osseous neoplasia such as osteosarcoma and less likely fibrosarcoma, round cell neoplasia, plasma cell tumor. The findings are not compatible with a benign lesion and not compatible with infectious osteitis / discospondylitis.

## REFERRING VET

Randy Dominguez

Tissue sampling could be considered for a definitive diagnosis. The prognosis is guarded to poor depending on the underlying etiology. Prognosis may improve with early diagnosis and appropriate targeted therapy if treatable conditions such as lymphoma. The therapy is limited to medical options such as chemotherapy and radiative treatment which may be either curative or palliative. The lesion is not surgically resectable.

## INVOICE

24681

## DATE

04/29/2026



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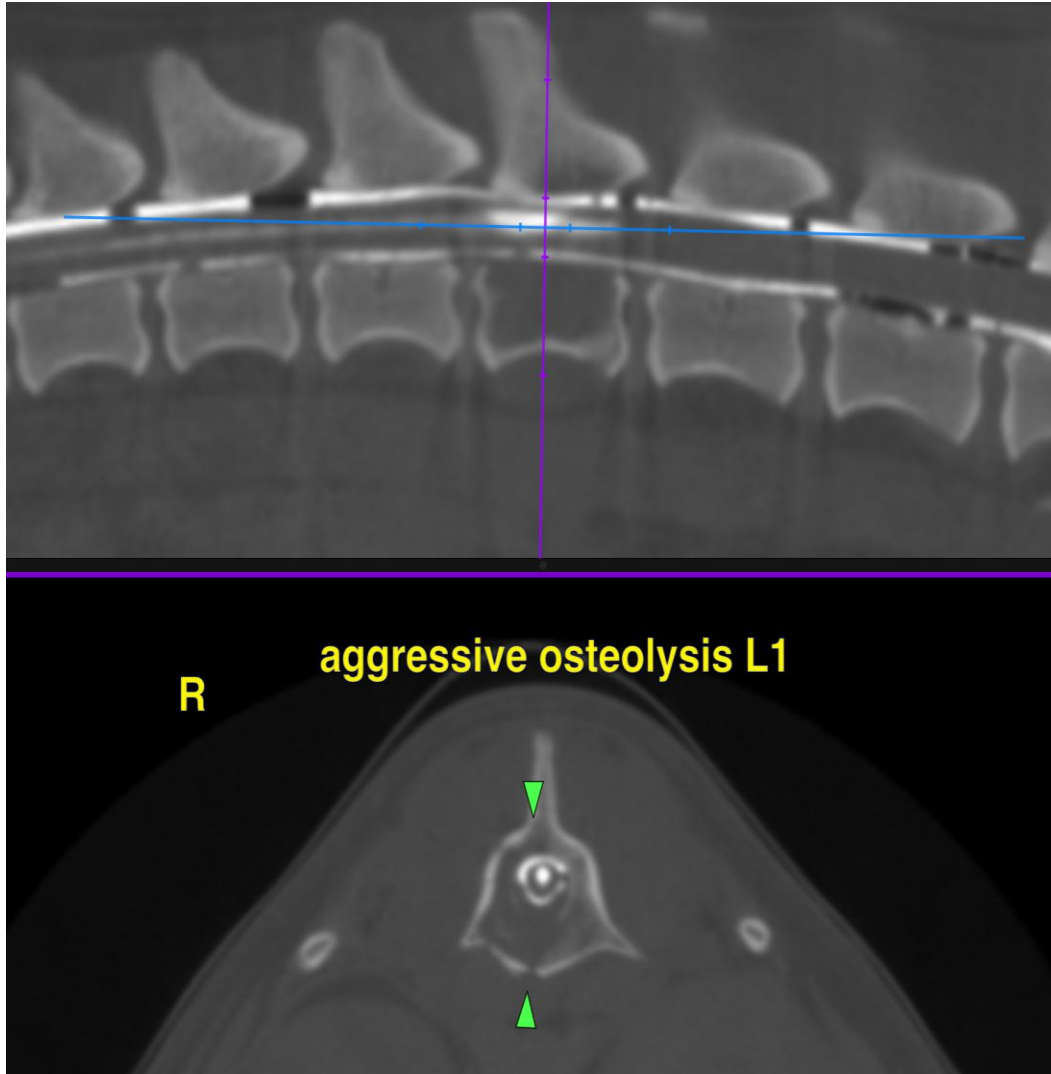
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Nele Eley (Ondreka)**, DVM, Dr. med. vet., DipECVDI  
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Senior lecturer University of Giessen/Germany, Veterinary Faculty, Department of Radiology.  
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