



PATIENT

Mauro Cruz

PRESENTING CLINICAL SIGNS

Patient referred acute onset of tetraparalysis.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & CERVICAL SPINE

Plain and post contrast studies in soft tissue window of the head and plain study in soft tissue window of the cervical spine are available for review.

BREED

Schnauzer

COMPUTED TOMOGRAPHIC FINDINGS

Head

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

Male

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

AGE

9

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.

HOSPITAL NAME

Juana Diaz Animal
Hospital

The salivary glands present within normal limits.

Periodontal disease of the triadans 109, 110, and 209 is noted.

Cervical Spine

REFERRING VET

Jose Rivera

Narrowing of the intervertebral disc space C5/6 with extrusion of heterogeneously hyperattenuating material into the ventral and right epidural space is noted. The material presents caudal migration. Most of the material is situated in the right ventral epidural space level with the 6th cervical vertebra. Approximately 50% of the vertebral canal's cross sectional area is occupied by the extruded material level with the C5/6 intervertebral disc space and C6 vertebra. Mild right hand sided neuroforaminal extension is noted. Mild right ventral compression is also present throughout the 7th cervical vertebra.

INVOICE

59708

Mineralization of the C6/7 intervertebral disc with maintained intervertebral disc space width is noted.

DATE

8-15-23

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Lateralized intervertebral disc extrusion C5/6 with caudal migration and severe compressive



PATIENT myelopathy, suspect concomitant vertebral venous plexus hemorrhage.
Mauro Cruz

- Normal CT presentation of the brain.
- Periodontal disease of the upper molar teeth.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Canine

The CT study supports presence of a severe C5/6 intervertebral disc extrusion. Most of the material is in the right ventral epidural space level with C5/6 and the 6th cervical vertebra. Caudal migration of the extrusion is noted with presumed concomitant vertebral venous plexus hemorrhage. Lateral or dorsolateral approach could be considered for potential surgical decompression owing to the right hand sided lateralized position of the extrusion +/- hemorrhage.

BREED

Schnauzer

The CT study did not reveal evidence of structural brain pathology.

SEX

Male

AGE

9

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Juana Diaz Animal
Hospital

REFERRING VET

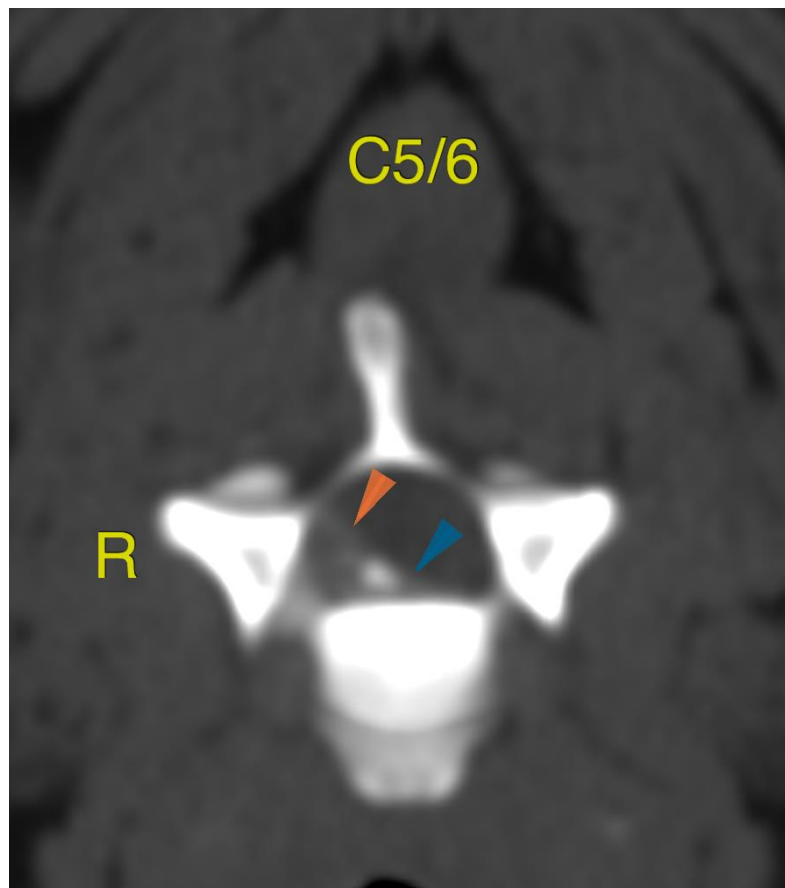
Jose Rivera

INVOICE

59708

DATE

8-15-23





PATIENT

Mauro Cruz

SPECIES

Canine

BREED

Schnauzer

SEX

Male

AGE

9

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Juana Diaz Animal
Hospital

REFERRING VET

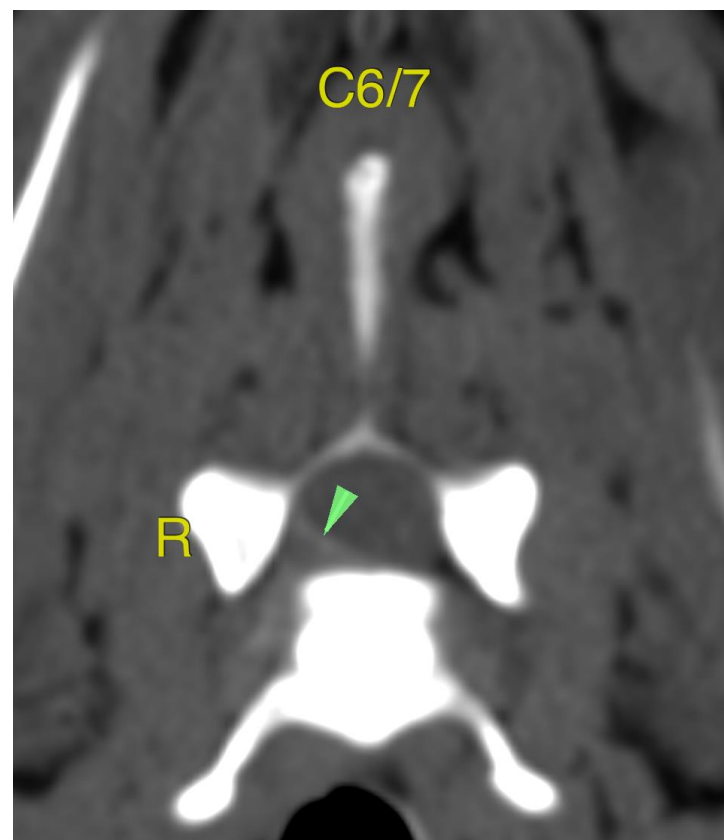
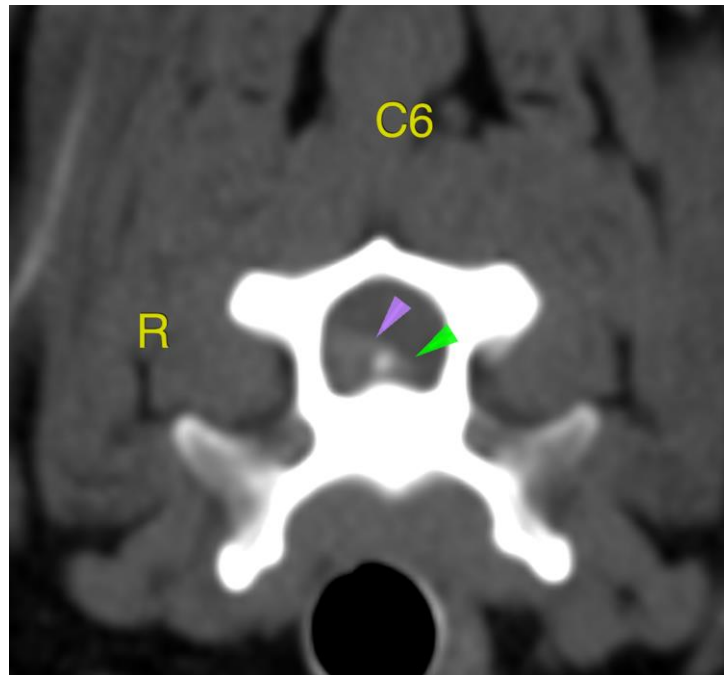
Jose Rivera

INVOICE

59708

DATE

8-15-23





PATIENT

Mauro Cruz

SPECIES

Canine

BREED

Schnauzer

SEX

Male

AGE

9

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Juana Diaz Animal
Hospital

REFERRING VET

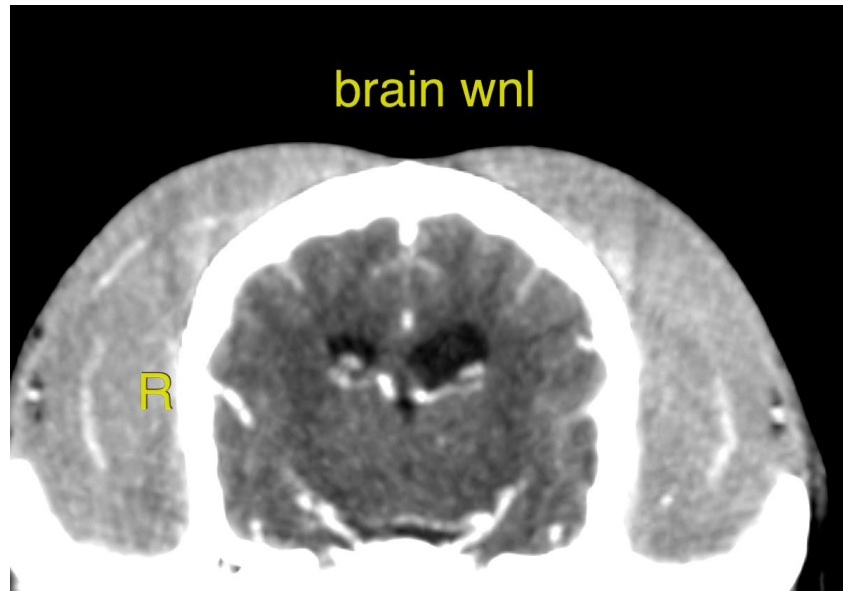
Jose Rivera

INVOICE

59708

DATE

8-15-23



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.

Nele Eley, DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology
info@sonopath.com