



PATIENT

Zac Smith

PRESENTING CLINICAL SIGNS

Rt hip issues since June - quite reactive in r coupling ,hip extension, stifle extension, NAD in pads. Subtle shadowing in the lateral Proximal half of the femur on original rads. ? Hip joint injury and /or secondary psoas injury adjusted sline, rec rx for sed/GA and IA hip injection cortisone to assess if there is any improvement.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE PELVIS & LUMBOSACRAL JUNCTION

Plain and post contrast studies in soft tissue and bone windows available for review.

BREED

Greyhound

COMPUTED TOMOGRAPHIC FINDINGS

Pelvis

Moderate atrophy of the right hind limb musculature is noted.

SEX

Neutered Male

There also is atrophy of the bones of the right hemipelvis, right coxofemoral joint, and right proximal femur with reduced cortical bone thickness and reduced medullary opacity.

AGE

7 Years

No structural changes of the right and left coxofemoral joint are seen.

The CT presentation of the iliacus and psoas major portions of the iliopsoas muscle is within normal limits and symmetric between the right and left side, except for the muscle atrophy in the right hind limb.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The lesser trochanter of the femur presents smooth and intact.

Lumbosacral Junction

A moderate lumbosacral step formation with ventralization of the sacrum with respect to the last lumbar vertebra is seen. The lumbosacral intervertebral disc presents focal mineralization and moderate protrusion into the ventral epidural space of the vertebral canal with dorsal deviation of the cauda equina fibers. The right neuroforamen is slightly more narrowed than the left one. The L7 nerve roots can be seen exiting the neuroforamina between L7 and S1 with no structural changes. The sciatic nerves present no structural changes.

HOSPITAL NAME

Adelaide Plains
Veterinary Surgery

REFERRING VET

John Katakasi

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate degenerative lumbosacral stenosis with mild right neuroforaminal stenosis.
- Moderate atrophy of the right hind limb musculature and bones.
- Normal CT presentation of the coxofemoral joints and iliopsoas muscle.

INVOICE

53269

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The main finding appears to be presence of moderate degenerative lumbosacral stenosis with lumbosacral step formation. The ventralization of the sacrum enhances the degree of stenosis that is mainly caused by the disc protrusion. Mild right sided neuroforaminal stenosis is seen and a dynamic component cannot be ruled out.

DATE

8-4-22

The muscle and bone atrophy is likely secondary to disuse; however, a neurogenic component of



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the muscle atrophy is entirely possible.

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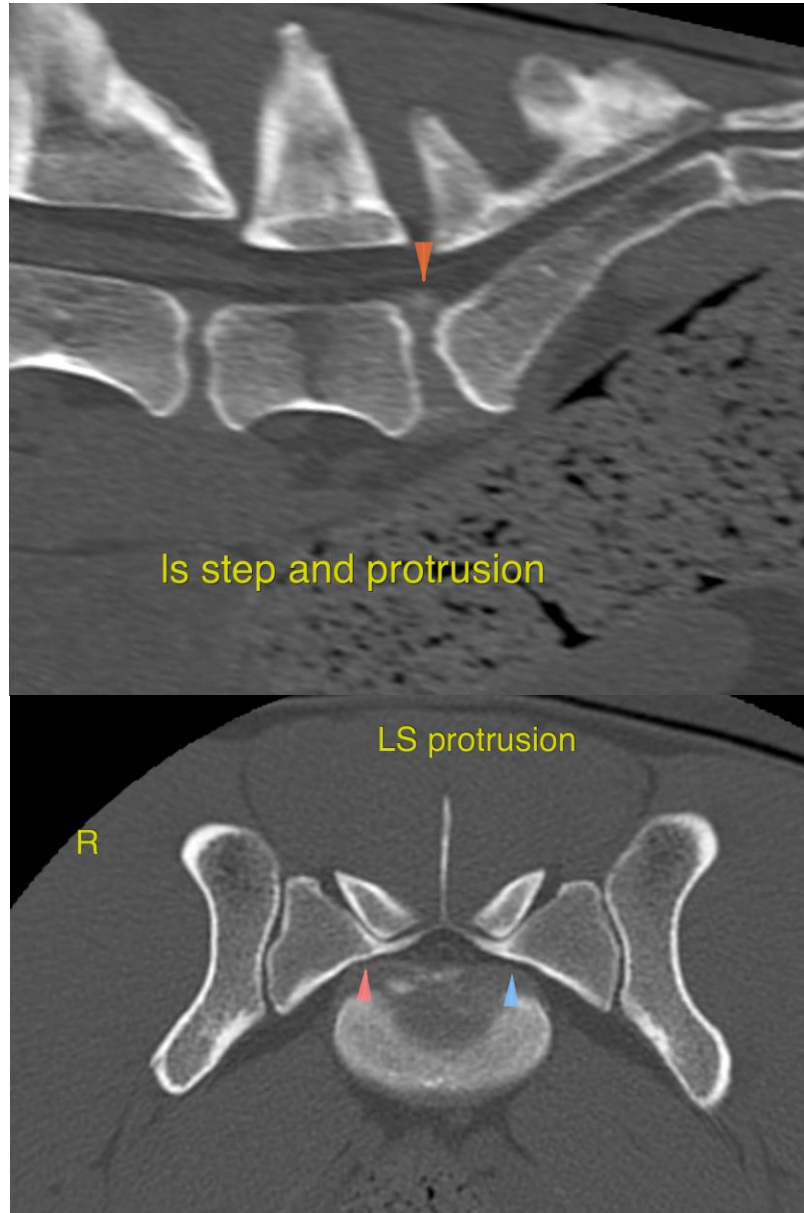
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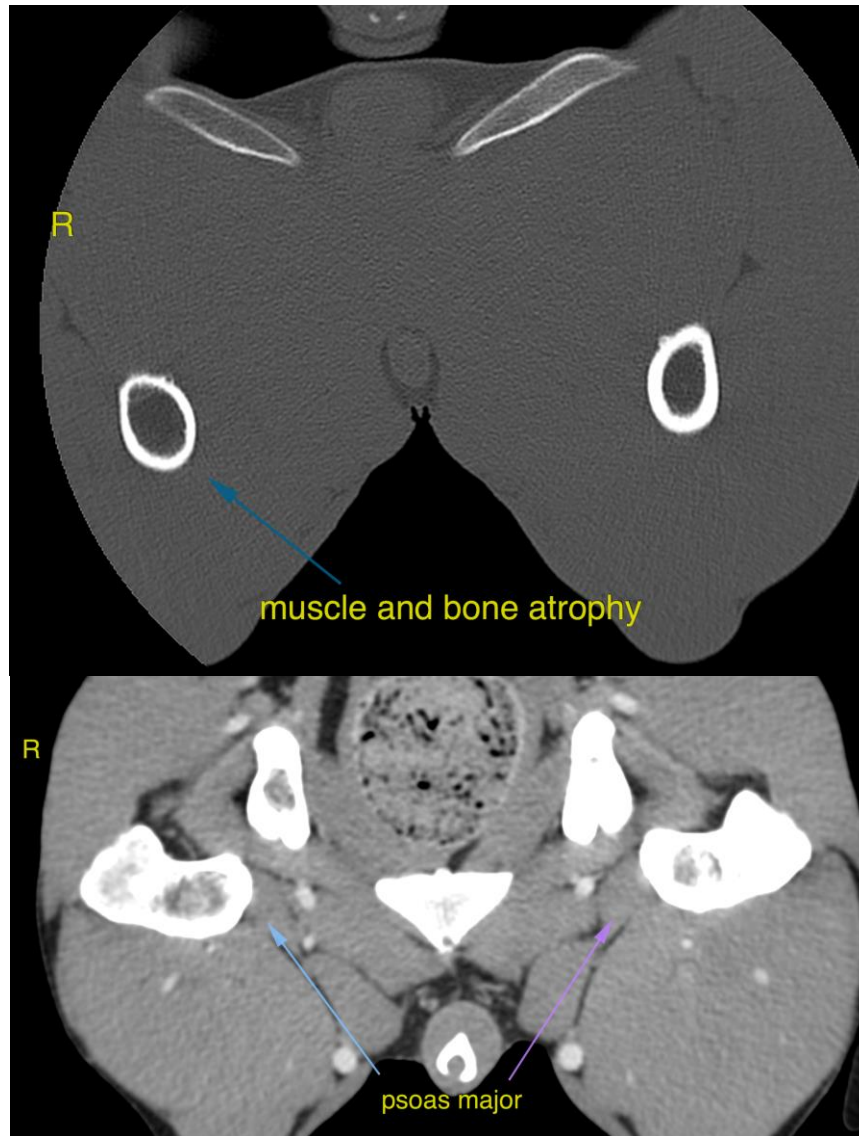
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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