



PATIENT

Jessie Turnbull

PRESENTING CLINICAL SIGNS

Jessie, a 14 year old, MN Dachshund (min. Smooth Haired), presented to the AHP Neurology Service on January 19, 2022 for evaluation of chronic back pain and more recent pelvic limbs weakness. Jessie has been managed with suspected IVDD/back pain for upwards of 2 years with gabapentin and short courses of prednisone. No abnormalities in gait were seen. Jessie was showing manifestations of pain (did not want to be touched on his back, was yelping when picked up, muscle spasms in his back). For the past 2 weeks, and worse for the past week, he has been showing more discomfort and more pain along with development of wobbliness in his pelvic limbs. Jessie also has chronic Cushings and diabetes insipidus. Mentation: Bright, alert and responsive. Cranial nerve exam: No deficits noted. Gait/posture: Ambulatory with no ataxia or paresis. Postural reactions: Proprioceptive positioning and hopping were normal in all limbs. Spinal reflexes: Normal. Sensory/nociception: Diffuse hyperesthesia elicited with palpation along the thoracolumbar spine, moreso in the caudal lumbar region. Mild tensing with cervical palpation.

SPECIES

Canine

BREED

Dachshund

SEX

MN

MAGNETIC RESONANCE IMAGING STUDY OF THE CERVICAL, THORACIC, & LUMBAR SPINE

Multifocal degenerative disc disease is seen throughout the spine.

AGE

14 Years

Moderate intervertebral disc protrusion and hypertrophy of the ligamentum flavum are present at the lumbosacral junction.

Mild intervertebral disc protrusions are seen from T12 through L2.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

There is a mild protrusion between T9 and T10.

Mild protrusions are also noted at C2/3, C3/4, and C4/5.

Moderate generalized enlargement of the liver is seen.

HOSPITAL NAME

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Two small calculi are seen within the gallbladder.

The left adrenal gland presents moderate generalized enlargement and parenchymal remodeling.

REFERRING VET

Dr. Kilburn

A 14mm sized contrast enhancing nodule is expanding the cranial pole of the right adrenal gland. The right phrenicoabdominal vein is obliterated. There is a mass effect onto the caudal vena cava.

Occasional T2 hypointense splenic nodules are seen.

MAGNETIC RESONANCE IMAGING DIAGNOSIS

INVOICE

49698

- Disseminated degenerative disc disease.
- Moderate degenerative lumbosacral stenosis with intervertebral disc protrusion and ligamentum flavum hypertrophy.
- Multiple mild chronic intervertebral disc protrusions at C2/3, C3/4, C4/5, T9/10, T12/13, T13/L1, and L1/2.
- Right adrenal gland nodule meeting neoplastic criteria with early vascular invasion.
- Left adrenal gland hyperplasia.
- Generalized hepatomegaly.

DATE

1-19-22



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- Splenic nodules.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The MRI study reveals moderate degenerative lumbosacral stenosis and multiple chronic mild intervertebral disc protrusions within the cervical, thoracic, and lumbar spine.

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The patient has a history of Cushing's. There appears to be adrenal gland hyperplasia as well as a mass within the right adrenal gland's cranial pole. There is evidence of vascular invasion which suggests potential for adenocarcinoma. At this time, there appears to be no invasion of the caudal vena cava; however, the phrenicoabdominal vein is obliterated. Pheochromocytoma would theoretically be a potential differential diagnosis which, however, appears unlikely with the patient history.

BREED

Dachshund

The hepatomegaly is likely to represent steroid induced hepatopathy.

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The splenic nodules are compatible with benign nodular hyperplasia or extramedullary hematopoiesis.

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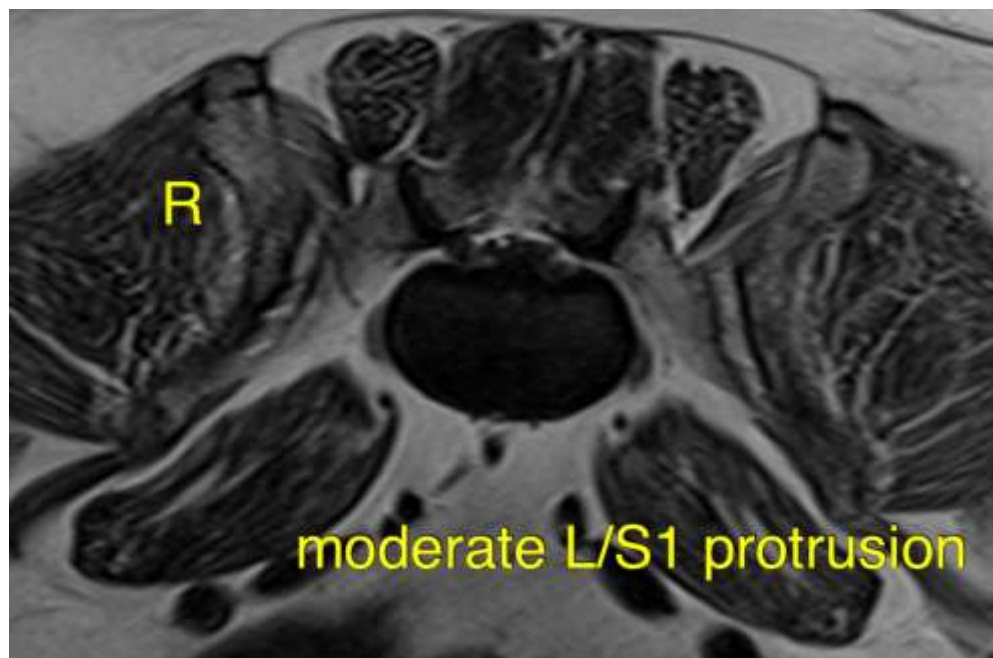
Dr. Kilburn

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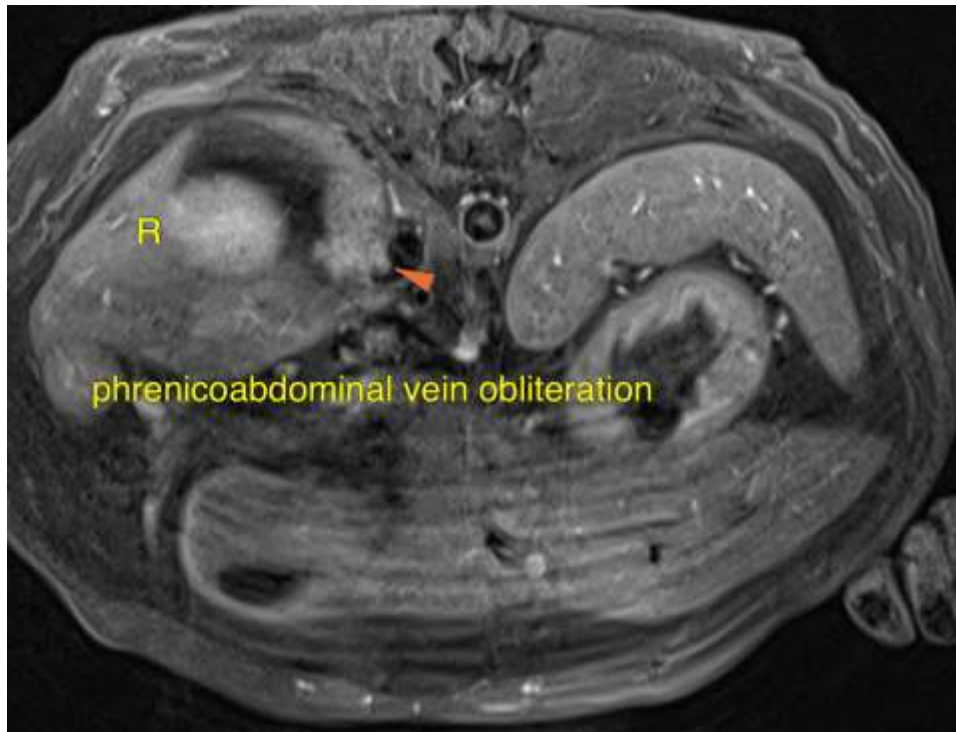
Dachshund

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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.

HOSPITAL NAME

Animal Health
Partners

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