



**PATIENT**

Miss Mabel Half Way  
Home Animal Rescue

**PRESENTING CLINICAL SIGNS**

Found on street, unknown hx, diagnosed diabetic, main focus spinal issues?

**RADIOGRAPHIC STUDY OF THE THORAX, ABDOMEN, & THORACOLUMBAR SPINE**

**SPECIES**

Right lateral and ventrodorsal views of the thorax and abdomen totaling 4 images available for review.

Canine

**RADIOGRAPHIC FINDINGS**

**BREED**

**Thorax**

Pitbull Mix

The extrathoracic soft tissues present homogeneous without abnormalities.

The heart is of normal size and shape and there is no evidence of cardiac chamber or vascular enlargement. The pulmonary vasculature is within normal limits.

**SEX**

Female

The cranial mediastinum presents the expected soft tissue opacity. The mediastinal width is less than twice the width of the vertebral column at the same level.

**AGE**

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The trachea is normal in diameter and presents the anticipated course. The luminal outline of the trachea is smooth.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDF

The bronchial tree presents with thin walls and tapers uniformly towards the periphery as expected.

The lung parenchyma presents the expected architecture and opacity. The intrapulmonary vascular branching is seen up to the third order lung vessels.

The diaphragm is well delineated with even surface and the expected mild cranial bulging of the diaphragmatic cupola.

**HOSPITAL NAME**

Rockaway Animal  
Hospital

**Abdomen**

Mild generalized osteopenia is noted. The stifles, which are partially included in the abdominal view, present moderate osteoarthritic changes. Moderate osteoarthritic changes of both coxofemoral joints are seen.

**REFERRING VET**

Dr. Gannon

No abnormalities of the extraabdominal soft tissues are noted. The abdominal wall is smooth and thin.

The serosal detail is maintained throughout the peritoneal and retroperitoneal space.

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The liver is appropriate in position, size and presents uniform opacity.

The splenic head is in the anticipated position and within normal limits for size and opacity. The splenic body and tail are considered normal for position, size, shape and opacity.

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1-4-22



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Both kidneys are seen and present with normal size, shape, delineation and opacity. The urinary bladder is in its anticipated position. No radiopaque calculi are noted throughout the upper and lower urinary tract.

The stomach is in its anticipated position and presents normal content.

**SPECIES**

Canine

The small intestinal loops are of even diameter and non-dilated, a small amount of gas is seen within the small intestinal loops and considered within normal limits.

The colon is seen in the expected position and presents with appropriate content.

**BREED**

Pitbull Mix

**Thoracolumbar Spine**

Moderate degenerative lumbosacral stenosis with lumbosacral spondylosis and vertebral end plate sclerosis.

**SEX**

Female

Multiple spondyloses of varying degrees are seen throughout the thoracolumbar spine.

The vertebral end plates are smoothly delineated and intact; however, multiple facet joints in the caudal thoracic and entire lumbar spine present a mix of subchondral bone erosion and moderate to severe irregular new bone formation of the periarticular margins. Moreover, the dorsal spinous processes present multifocal small cystic lytic changes which is accentuated in the caudal thoracic spine.

**AGE**

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**RADIOGRAPHIC DIAGNOSIS**

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

- Mixed erosive and hypertrophic polyarthropathy of the thoracolumbar facet joints.
- Multiple spondyloses.
- Degenerative lumbosacral stenosis.
- Bilateral coxofemoral joint osteoarthritis.
- Bilateral stifle osteoarthritis.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Multiple arthritic changes are seen throughout the visible parts of the axial and appendicular skeleton of this dog. The mixed erosive and hypertrophic character of the thoracolumbar spondyloarthropathies may be due to uncomplicated degenerative joint disease. However, erosive forms of the polyarthropathy such as immune mediated are a potential consideration as well. The presence of spondyloses can be associated with intervertebral disc disease; however, further verification of this would require workup by means of cross sectional imaging.

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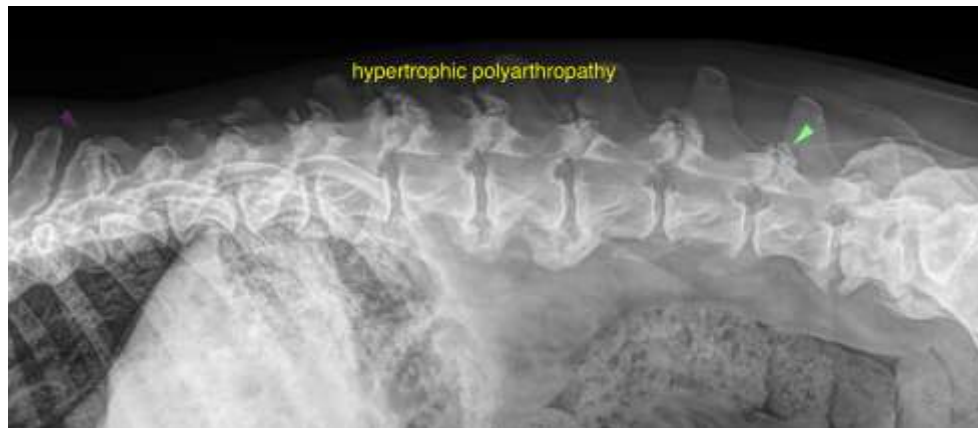
Canine

**BREED**

Pitbull Mix

**SEX**

Female



**AGE**

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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.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

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  
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