



**PATIENT PRESENTING CLINICAL SIGNS**

**Hank Winkelman**  
 Kristi noticed about 3 months ago Hank would occasionally favor RF after laying down. Would work out of it pretty quick. Last few weeks he's been favoring it more often when he gets up. Will still run around and play. Hesitant jumping off things

**SPECIES**  
 Abnormal PE/Chem/CBC/UA Results: RF LAME IV/V, ATROPHY IN LIMB, NO PAIN ISOLATED IN JOINT OF LIMB OR MUSCLE OR NECK OR DEEP AXILA. VERY RELUCTANT TO STAN THREE LEGGED WITH LEFT FRONT UP. MILD ATROPHY OF LEFT FRONT LIMB. TENDER TL AREA OF SPINE ON DEEP PALPATION. NO loss of proprioception.

**BREED RADIOGRAPHIC STUDY OF THE CERVICAL SPINE, SHOULDERS, & ELBOWS**

**Heeler Mix**  
 Lateral and orthogonal views of the cervical spine, mediolateral views of the shoulders, and mediolateral neutral and flexed and craniocaudal views of the elbows totaling 9 images available for review.

**SEX RADIOGRAPHIC FINDINGS**

**Neutered**  
**Cervical Spine**

Mineralization of the intervertebral disc C3/4 is seen.

**AGE**  
**12 Years, 6 Months**  
 The intervertebral disc space C6/7 appears to be reduced in width.

**Shoulders**

The right and left shoulder present within age related normal limits.

**Elbows**

Moderate osteophyte formation is seen on the proximal contour of the anconeus process, cranial aspect of the radial head, and cranial humeral trochlea in the right elbow. The contour of the medial coronoid process is well delineated. No evidence of subchondral bone defects is seen.

Mild osteophytes are seen on the proximal contour of the anconeus process and cranial contour of the radial head in the left elbow. The medial coronoid process is well delineated and of uniform opacity. No evidence of subchondral bone defects is noted.

**INTERPRETED BY**

Nele Eley, DVM  
 Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Elizabeth Animal Hospital

**REFERRING VET**

Leon Anderson, DVM

**RADIOGRAPHIC DIAGNOSIS**

- Chondroid disc degeneration C3/4.
- Suspect intervertebral disc disease C6/7.
- Radiographically normal shoulders.
- Mild to moderate osteoarthritic changes of the elbows with no evidence of elbow dysplasia.

**INVOICE**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

1-9-23

The radiographic study reveals degenerative disc disease within the cervical spine between C3 and C4. The intervertebral disc space collapse between C6 and C7 may represent uncomplicated degenerative disc disease. However, disc hernia is a potential differential diagnosis. Further definition would require cross sectional imaging.



**PATIENT**

No evidence of shoulder arthropathy is seen.

Hank Winkelman

Degenerative joint disease is noted in both elbows. It is uncertain whether the rather mild osteoarthritic changes are able to fully explain the patient's clinical signs. Soft tissue pathology including musculotendinopathy as well as cervical neurologic disease and brachial plexus pathology are other potential considerations in this patient, which would require further workup by means of cross sectional imaging, ideally an MRI.

**SPECIES**

Canine

**BREED**

Heeler Mix

**SEX**

Neutered

**AGE**

12 Years, 6 Months

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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.**

**INVOICE**

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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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**DATE**

1-9-23