



**PATIENT PRESENTING CLINICAL SIGNS**

Zion Christenson Kathy isn't sure if it is age related or arthritis, or if he stepped on the pine cones or ice wrong. He is favoring the leg when he walks. He is stiff when he wakes up in the morning. The limp has gotten more noticeable in the last couple of days. He is on CBD oil but only 2 drops because a heavier dose will knock him out. Zion licks his paw but he doesn't whine or cry.

**SPECIES**

Canine

**BREED**

Newfoundland Mix

Abnormal PE/Chem/CBC/UA Results: SCLEROSIS NORMAL FOR AGE BILATERAL STIFLE MEDIAL BUTTRESS HIPS EXTEND WELL. NO CP LOSS APPRECIATED MUSCLE ATROPHY OF LEFT FRONT LIMB, PAIN ON FLEXION OF ELBOW AND SHOULDER AS A UNIT. 3/5 LAME LEFT FRONT, LAME/GUARDING BOTH REAR AS WELL, LEFT MOST OF ALL' NAILS LONG MODERATE DENTAL DISEASE MULTIPLE SUBCU AND SKIN MASSES, LARGE AND SMALL. RIGHT ELBOW SKIN TAG- PEDUNCULATED

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**RADIOGRAPH OF SHOULDERS AND ELBOWS**

**SEX**

MN

Humerus: R and 2x L lateral, scapula and shoulder joint cr-cd: 1 without marker, 1x R and 1x L  
R elbow: flexed, 2x extended, 2x cr-cd  
L elbow: flexed, extended, 2x cr-cd

**AGE**

11 Years

**RADIOGRAPHIC FINDINGS**

Shoulders

The muscle mass around the left shoulder joint and scapula is reduced. A lipoma is located lateral to ribs 4-6 on the left.

The shoulder joints appear congruent with even subchondral bone surfaces.

Elbows

A moderate amount of new bone surrounds both elbow joints and appears to be slightly more pronounced on the left. Lipping of both medial coronoid processes is present. The subchondral bone of the right medial condyle appears flat. Soft tissue swelling surrounds both joints.

**INTERPRETED BY**

Heike Rudolf, DVM,  
Dr. med. Vet.,  
DipECVDI DVR

**HOSPITAL NAME**

Elizabeth Animal  
Hospital

**RADIOGRAPHIC DIAGNOSIS**

- Muscle atrophy L shoulder
- Bilateral elbow OA due to FCP

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The changes are bilaterally symmetrical, perhaps slightly worse in the left. In my opinion, this does not explain a unilateral muscle atrophy and further tests are required. Checking if pain is present in the region of the brachial plexus may have to be followed by cross sectional imaging to rule out tumor and neuritis. Including shoulder and elbow joints in the CT scan is recommended. Should extension of the shoulder joints be painful, ultrasound can identify damage to the bicipital tendon.

**INVOICE**

50983

**DATE**

3-16-22

Leon Anderson, DVM



**PATIENT**

Zion Christenson

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**AGE**

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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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