



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Calle Frastacky  
**SPECIES** Canine  
**BREED** Lab X

History: Calle, a 14 year 4 month old Female Spayed Labrador X, was presented to the Toronto Animal Health Partners Surgery Service for right forelimb lameness. Dramatic decreased mobility several months ago after mass excision surgery. Also had inappetence, diarrhea and bloodwork changes. O pursued diagnostics, but nothing found. Has rehabilitation sessions 1-2 times per week. Normal EDUD; reduced energy. Has very slow 35-40 minute walks thrice daily. Makes a gurgling sound when she overexerts her self; within the past few months. Calle has had a previous history of:  
 - Benign tumour on parathyroid removed (May 17) - Bilateral TPLO (one implant removal)  
 Abnormal PE/Chem/CBC/UA Results: Stridor heard when panting. Right forelimb muscle atrophy.  
 No digital crepitus or pain. Reduced range of motion of right carpus with no overt effusion. Full range of motion of elbow, no pain on coronoid palpation. Reduced range of motion (especially on extension) of shoulders bilaterally.

**SEX COMPUTED TOMOGRAPHIC STUDY OF THE THORAX, FRONT LIMBS, ABDOMEN AND HIND LIMBS**

**SEX** Spayed Female  
 A pre- and post-contrast CT study of the thorax and abdomen including the front and hind limbs in a bone and soft tissue reconstruction are provided for review.

**AGE COMPUTED TOMOGRAPHIC FINDINGS**

**AGE** 14 Years 4 Months  
**Thorax**

**INTERPRETED BY** The osseous structures present a generalized decreased density and coarse trabecular pattern.

Sebastian Schaub, DVM Dr. med. vet. DipECVDI  
 The front limbs present multifocal mild striated mineralization of multiple tendons (e.g. infraspinatus muscle, flexor carpi ulnaris muscle). Both elbow joints present smooth osseous margins, unremarkable.

**HOSPITAL NAME** The periarticular bones of the right carpal joint present mild osteophyte new bone formation. The metacarpophalangeal joints of both front paws present mild osteophyte new bone formation. The metacarpophalangeal joint of the fifth phalanx of the right front limb presents a mild periarticular swelling.

Animal Health Partners  
 Multifocal spondylosis formation is seen along the thoracic spine. Multifocal peripheral mineralization of the dural tube is noted.

**REFERRING VET** The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

Dr. Lea Mehrkens

**INVOICE** The cardiovascular structures including the pulmonary vasculature are within normal limits.

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**PATIENT** Calle Frastacky  
 The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.  
 The lung parenchyma presents the expected architecture and attenuation behavior.

**SPECIES** Canine  
 The esophagus contains a mild amount of ingesta and is generalized mild to moderately distended by gas.

**Abdomen**

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 The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

**SEX** Spayed Female  
 The left kidney presents irregular margins due to multiple concave depressions of the renal surface – post contrast administration the renal parenchyma level with the concave depression is hypoattenuating in the post contrast phase. The kidney presents within normal limits for size, shape and organ architecture. A small amount of mineral attenuating material is associated with the renal pelvis bilaterally. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

**AGE** 14 Years 4 Months  
 The adrenal glands are within normal limits for size, shape and organ architecture.  
 Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

**INTERPRETED BY** Sebastian Schaub, DVM Dr. med. vet. DipECVDI  
 The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.  
 The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

**HOSPITAL NAME** Animal Health Partners  
 The intervertebral discs T11/T12 to T13/L1 are mildly protruding into the vertebral canal, distorting the ventral epidural space at the same level.

Mild striated mineralization of the origin of the rectus femoris muscle from the pelvis is appreciated. The coxofemoral joints present smooth osseous margins, unremarkable.

**REFERRING VET** Dr. Lea Mehrkens  
 The periarticular bones of both stifle joints present moderate osteophyte new bone formation and signs of mild to moderate intracapsular swelling. A TPLO implant is seen at the medial aspect of the left proximal tibia.

**INVOICE COMPUTED TOMOGRAPHIC DIAGNOSIS**

- 17441
- Mild degenerative osteoarthritis all metacarpophalangeal joints both front limbs
  - Mild articular swelling metacarpophalangeal joint fifth phalanx right front limb

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**PATIENT**

Calle Frastacky

- History of excised parathyroid mass
- Generalized osteopenia
- Multifocal mild (metastatic) mineralization of soft tissue structures of the front & hind limbs
- History of TPLO stifle joints bilaterally and complete implant removal from the right tibia
- Degenerative osteoarthritis and mild joint effusion stifle joints bilaterally

**SPECIES**

Canine

- Bilateral mild nephrolithiasis without signs of obstruction
- Intervertebral disc protrusion T11/T12 to T13/L1 with possible dynamic myelocompression
- Left renal chronic infarction

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**BREED**

Lab X

The CT study presents no specific abnormality, explaining the right front limb lameness. The multifocal soft tissue mineralization might be a sequela to metastatic mineralization secondary to function parathyroid adenoma. As there is periarticular swelling of the metacarpophalangeal joint of the 5<sup>th</sup> phalanx of the right front limb, check if pain can be elicited by manipulation of the respective phalanx.

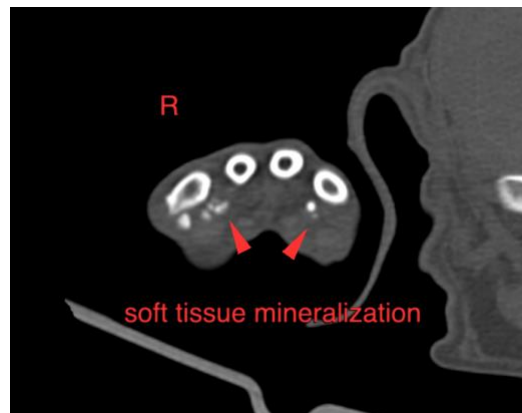
**SEX**

Spayed Female

The thorax and abdomen present without abnormalities.

**AGE**

14 Years 4 Months



**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

**HOSPITAL NAME**

Animal Health  
Partners

**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.

**REFERRING VET**

Dr. Lea Mehrkens

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
sebast.schaub@gmail.com

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