



**PATIENT PRESENTING CLINICAL SIGNS**

**Zorro Dog Tale Rescue**  
 History: Zorro, a 3 year old Male Mix Breed Medium, presented to the Toronto Animal Health Partners Surgery Service for chronic pelvic and right femoral fractures which were sustained and repaired at 2 months of age, causing an abnormal gait and deformities of his hindlimbs. Zorro current medications none. Zorro is not on a special diet, with no history of allergies . Zorro is UTD on vaccines.

**SPECIES**  
 Canine  
 Abnormal PE/Chem/CBC/UA Results: Previous diagnostic tests performed: Bloodwork (September 2022) Hypoglycemia (3.44) Increased TP (75) and globulins (43) Hypernatremia (160) pelvic limbs: Hyperextension of both tarsi with good range of motion of right tarsus, limited on left tarsus.

**BREED**  
 Med Mix Breed  
 Reduced range of motion of both coxofemoral joints with no significant pain elicited on manipulation. Good range of motion of bilateral stifles with no evidence of craniocaudal instability. A grade IV/IV medial patella luxation is present on the left stifle. Normal tracking patella on the right stifle.

**SEX COMPUTED TOMOGRAPHIC STUDY OF THE SKULL, THORAX AND ABDOMEN**

**SEX**  
 Male  
 A plain CT study of the caudal abdomen and the hind limbs in a bone and soft tissue reconstruction is provided for review.

**AGE COMPUTED TOMOGRAPHIC FINDINGS**

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

**INTERPRETED BY**  
 Both kidneys present within normal limits for size, shape and organ architecture.

Sebastian Schaub,  
 DVM Dr. med. vet.  
 DipECVDI  
 The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

**HOSPITAL NAME**  
 limits throughout.

Animal Health Partners  
 The first caudate vertebra is fused to S3.

**REFERRING VET**  
 Dr. Jeffrey Biskup  
 The iliac wing bilaterally presents with a healed transverse fracture. The caudal segment of the iliac wing is deviated medially bilaterally, L>R, and the pelvic canal is moderately narrowed. A synostosis is appreciated between the left iliac wing and the sacrum. Surgical pins are seen in the soft tissues dorsal to the iliac crest, the most distal aspect is located within the iliac bone and a surgical plate with screws is noted along the lateral aspect of the right iliac wing – the plate is unremarkable in place. An atrophic non-union of the right cranial ramus of the pubic bone is appreciated. The right femoral head presents a deep concave depression of the subchondral bone level with the fovea. The periarticular bones of the right femoral head present mild osteophyte new bone formation. Three surgical pins are appreciated in the distal third of the right femur.

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**PATIENT** Zorro Dog Tale Rescue  
 The left patella is located at the medial aspect of the medial femoral condyle and new bone formation is seen at the craniomedial aspect of the left medial femoral condyle, forming a new sulcus for the patella. The left femoral trochlea sulcus is shallow and the medial trochlear ridge is absent. The femoral varus angle is 32°. Secondary pronation of the left tibia is appreciated.

**SPECIES** Canine  
 The osseous and soft tissue structures of the distal aspects of both hind limbs present no abnormalities.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- History of left sided chronic patellar luxation with 'neosulcus' formation
- Left sided genu varum conformation, 32°
- Chronic iliac fracture bilaterally with medial deviation of the caudal segment and secondary mild stenosis of the pelvic canal – remodeling phase
- Migration of the surgical pins of the iliac wings dorsally into the subcutaneous tissue
- Atrophic non-union right cranial ramus of the pubic bone
- History of surgical management right distal femoral fractures by surgical pins – reparation phase, no overt axial deviation
- Mild degenerative joint disease right coxofemoral joint

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE** 3 Years  
 The pelvic changes are fitting the history of bilaterally iliac fracture with medial axial deviation and secondary mild stenosis of the pelvic canal. The main finding is the genu varum conformation of the left femur and concomitant chronic medial patellar luxation with chronic osseous remodeling of the left femur, forming a new sulcus for the patella.

**INTERPRETED BY** Sebastian Schaub, DVM Dr. med. vet. DipECVDI  
 No distinct abnormality is appreciated, explaining the hyperextension of the tarsal joints bilaterally.

**HOSPITAL NAME**

Animal Health Partners

**REFERRING VET**

Dr. Jeffrey Biskup

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**PATIENT**

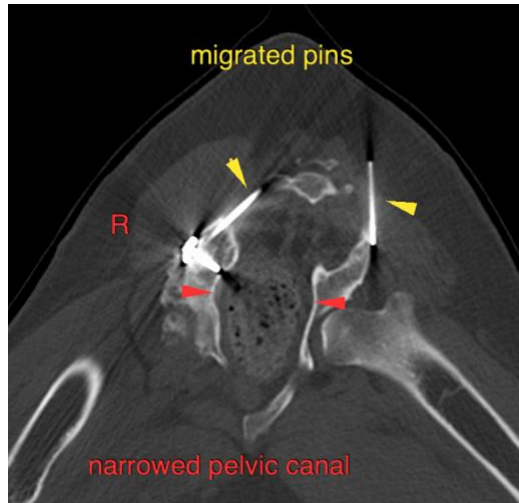
Zorro Dog Tale  
Rescue

**SPECIES**

Canine

**BREED**

Med Mix Breed



**SEX**

Male

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.

**AGE**

3 Years

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.

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

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

**HOSPITAL NAME**

Animal Health  
Partners

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