



PATIENT PRESENTING CLINICAL SIGNS

Pete Davis Lameness Left hind leg, ACL repaired 3/2022. Pete has done great, now poor weight bearing to toe touching. Irregular lucency seen in the distal femur on radiographs. Owner recently noted a clicking/popping sound when the dogs runs, but not all the time.

SPECIES Abnormal PE/Chem/CBC/UA Results: Ambulatory x 4 prior to CT

Canine **COMPUTED TOMOGRAPHIC STUDY OF THE PELVIC LIMBS (LEFT LIMB)**

BREED A pre- and post-contrast CT study of the pelvic limbs (coxofemoral joints and stifle joints) are provided for review. One pre contrast series and one post contrast series.

Lab Mix **COMPUTED TOMOGRAPHIC FINDINGS**

Left Pelvic Limb

SEX The synovial soft tissue volume of the left stifle joint is increase with swelling, extending cranially and caudally from normal margins, and compressing 40% of the infrapatellar fat caudally.

Neutered Male

AGE Moderate to severe periarticular ossification is seen at the margins of the patella, femoral trochlear ridges, medial and lateral femoral condyles, tibial condyles, and gastrocnemius fabella. A subchondral defect with multiple cysts associated sclerosis are identified in both femoral condyles and proximal tibia. This lesion is more severe at the medial femoral condyle surface.

7 Years, 7 months

The patella is correctly superimposed on the respective femoral trochlea.

INTERPRETED BY The patellar ligament is normal.

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The popliteal lymph node is unremarkable.

There is decrease in the pelvic muscle mass and limb muscle mass in comparison to the right limb.

HOSPITAL NAME There is diffuse osteopenia and cortical femoral thinning.

Mobile Pet Imaging

The left coxofemoral joint is incongruent.

A metallic clip is seen at the proximal tibia, correlated to previous surgical procedure.

REFERRING VET **Right Pelvic Limb (for comparison)**

Meaux

Synovial soft tissue swelling of the stifle joint is seen extending cranially and caudally from normal margins and compressing 20% of the infrapatellar fat pad caudally.

INVOICE Mild periarticular ossification is seen at the margins of the patella, femoral trochlear ridges, medial and lateral femoral condyles, and gastrocnemius fabella.

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The patella is correctly superimposed on the respective femoral trochlea.

DATE The right coxofemoral joint is incongruent.

4-13-23



PATIENT The popliteal lymph node is unremarkable.

Pete Davis **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- SPECIES**
- Left stifle articular swelling and hypertrophy, secondary advanced osteoarthritis, metallic implant correlated to previous surgery. No evidence of patellar desmitis, however, because of the joint swelling and hypertrophy, a meniscal fissure/rupture is also a differential diagnosis.
- Canine
- Left femoral cortical thinning and osteopenia correlated to the disuse of the respective limb.
 - Left pelvic muscle atrophy secondary to disuse.
 - Left coxofemoral incongruency.
- BREED**
- Mild right stifle joint swelling and mild secondary osteoarthritis. The differential diagnosis includes inflammatory joint effusion, partial rupture of the cranial cruciate ligament.

Lab Mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX The tomographic findings of the left stifle joint indicates severe degenerative osteoarthritis with joint swelling and hypertrophy, and this could be correlated to the clinical orthopedical signs. However, because of the more acute recurrent lameness, a meniscal injury is suspected. In addition, diffuse osteopenia and muscle mass atrophy is seen.

Neutered Male

AGE The more irregular lucency seen in the distal femoral condyles on the radiographs is likely due to the severe subchondral degenerative lesion.

7 Years, 7 months

Continue conservative treatment for secondary osteoarthritis with physical therapy, pain medication, eventual anti-inflammatories, and supplements such as glucosamine and chondroitin. 30-60 days recheck radiography or tomography is suggested for further evaluation of the progression of the osseous articular lesion.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

Mild right stifle joint synovial swelling is noted. Differential diagnosis includes soft tissue trauma, inflammatory joint effusion, and partial tear of the cranial cruciate ligament. An association of orthopedical findings and correlated to drawer test exam.

HOSPITAL NAME

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Meaux

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PATIENT

Pete Davis

SPECIES

Canine

BREED

Lab Mix

SEX

Neutered Male

AGE

7 Years, 7 months

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HOSPITAL NAME

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REFERRING VET

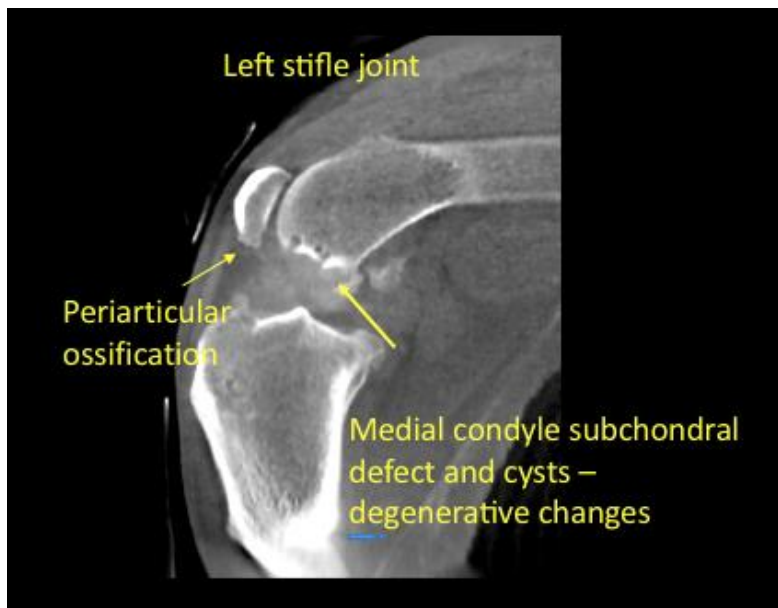
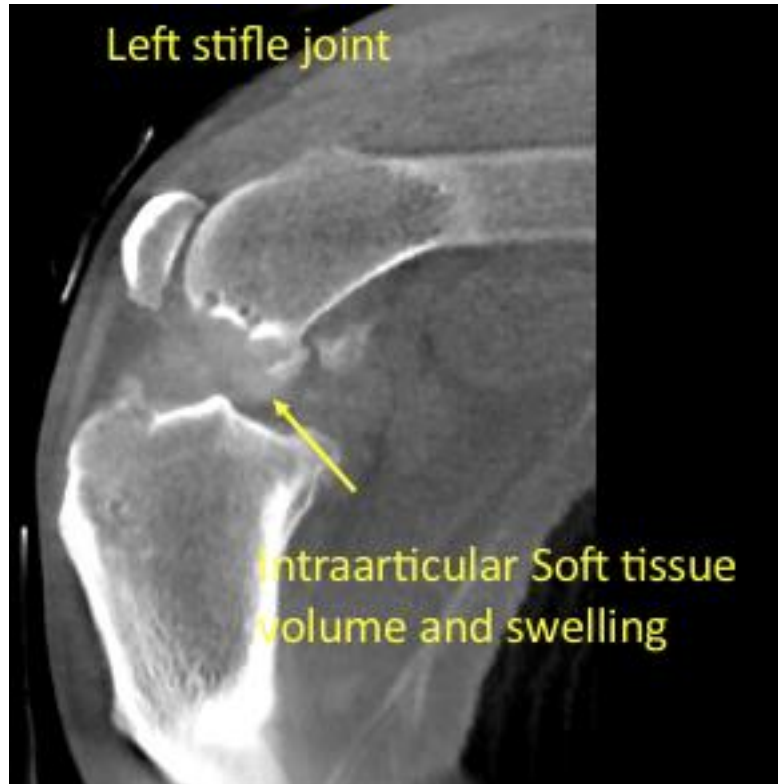
Meaux

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PATIENT

Pete Davis

SPECIES

Canine

BREED

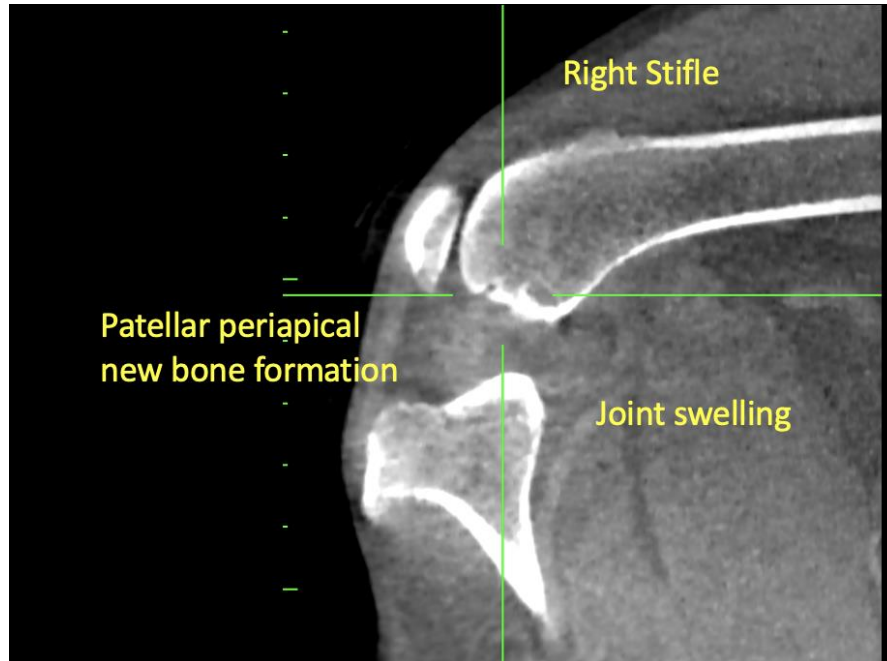
Lab Mix

SEX

Neutered Male

AGE

7 Years, 7 months



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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.

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.

HOSPITAL NAME

Mobile Pet Imaging

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