

Recurrent right front limb lameness in a Greyhound

CASE DISCUSSION

Giliola Spattini
DVM, GP Cardio, CCRT, PhD, DECVDI



Diagnostic Mindset



Clinica Veterinaria
CASTELLARANO



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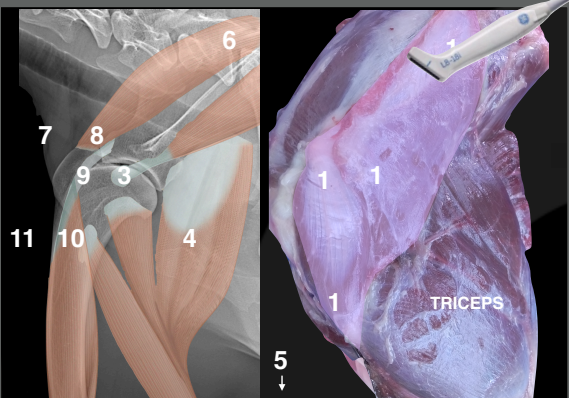
Cersei, Greyhound, FS, 9 years

- Since 8 months, lame on the right front limb when She woke up
- Better during the day but worst in the evening if She runs

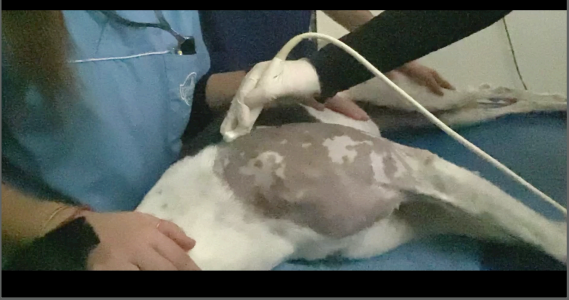


Cersei, Greyhound, FS, 9 years

- Adopted three years ago
- Lameness decreases with rest but relapse with minimal exercise
- Pain on right shoulder extension
- Mildly unconformable on left shoulder



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Cersei, FS, 9 years

Right shoulder

Deltoids and **Infraspinatus muscle** transverse scan 1-2



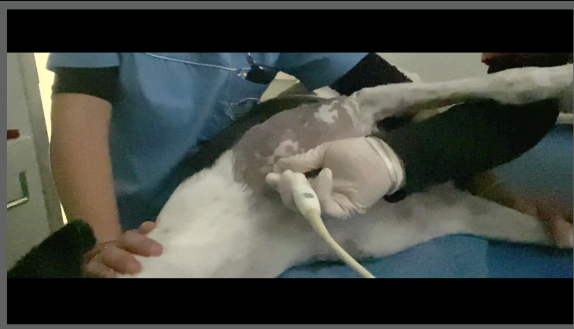
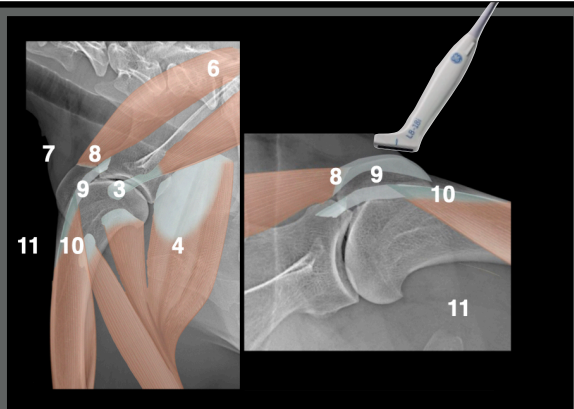
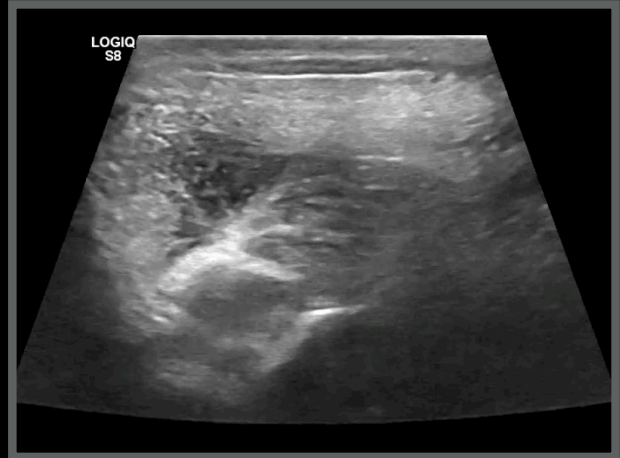
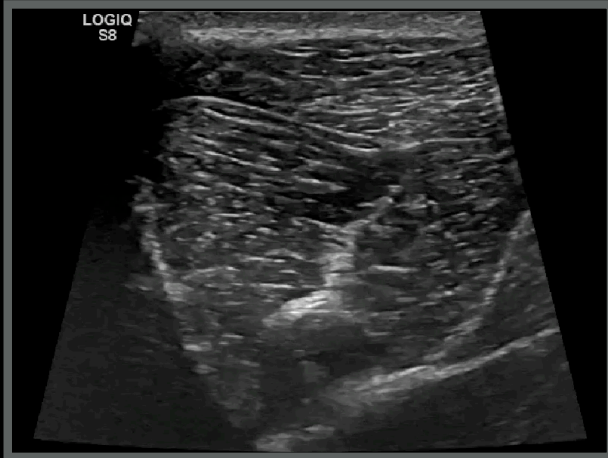


Cersei, Greyhound, FS, 9 years



Normal anatomy

Right shoulder

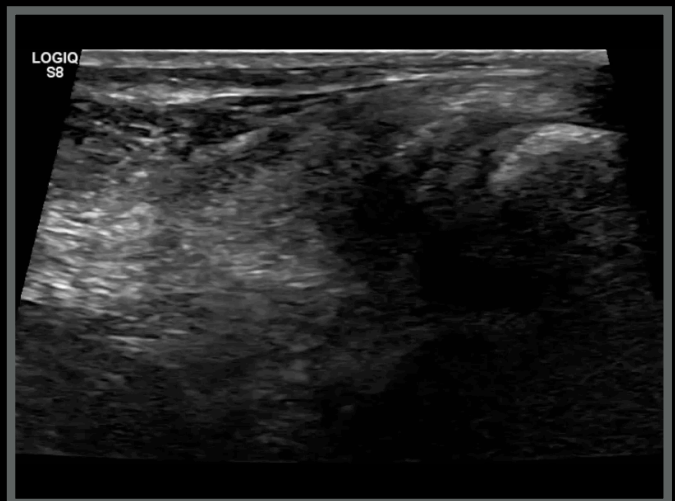


Cersei, FS, 9 years

Right shoulder



Supraspinatus tendon - BB longitudinal scan 9



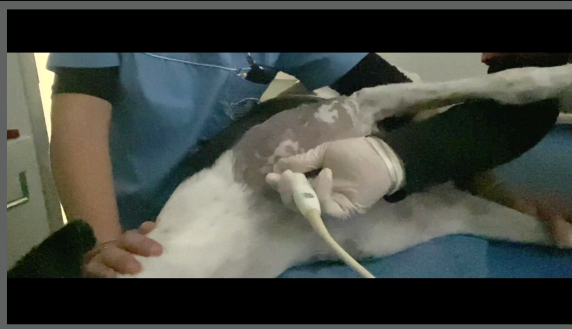
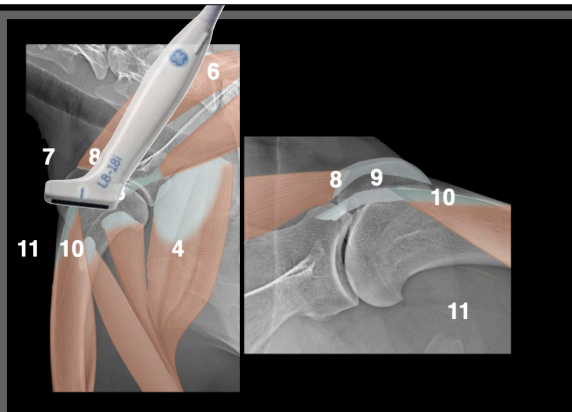
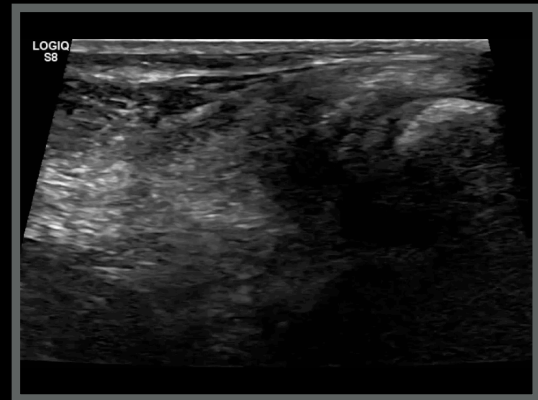
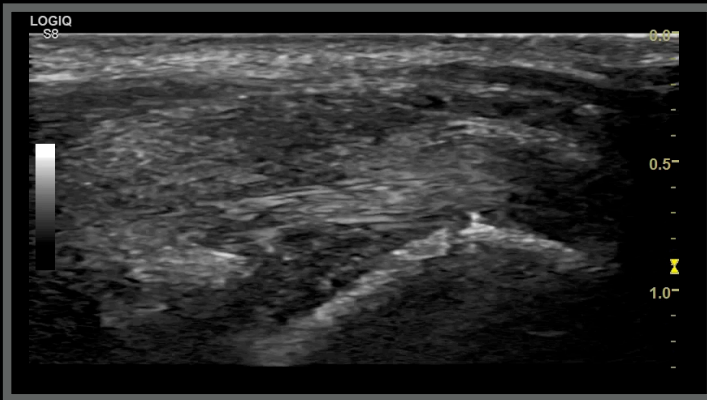


Cersei, Greyhound, FS, 9 years



Normal anatomy

Right shoulder

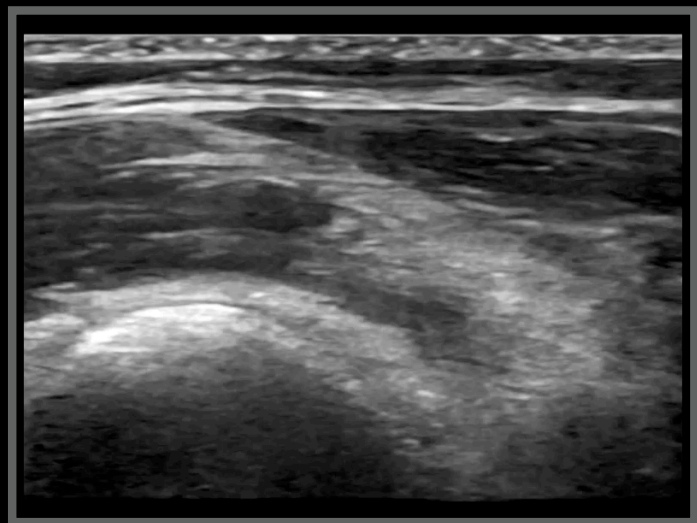


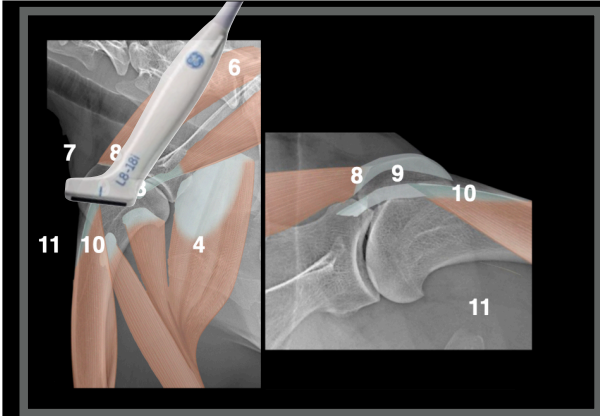
Cersei, FS, 9 years

Right shoulder



Supraspinatus tendon - BB transverse scan 9





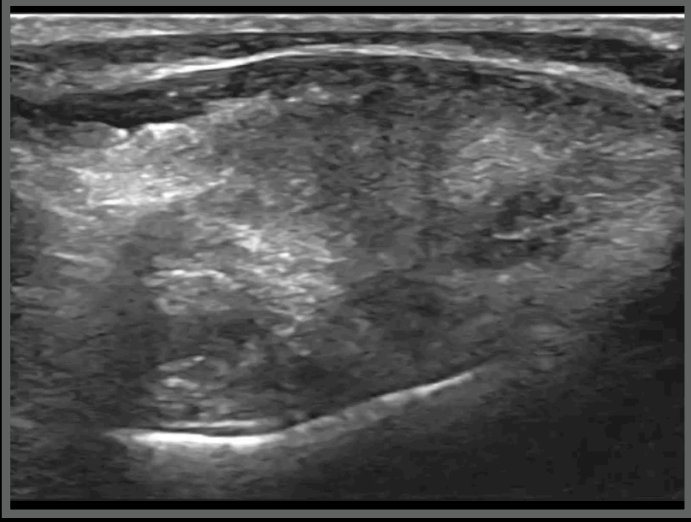
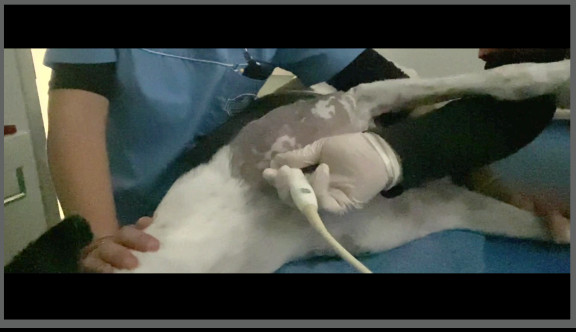
Cersei, FS, 9 years

Right shoulder



Supraspinatus tendon - BB transverse scan

9

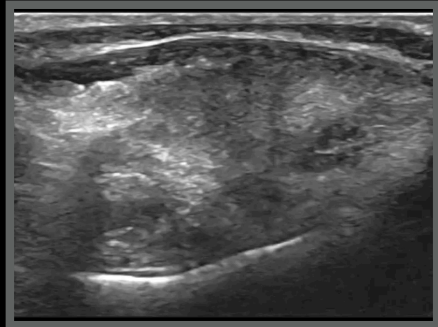
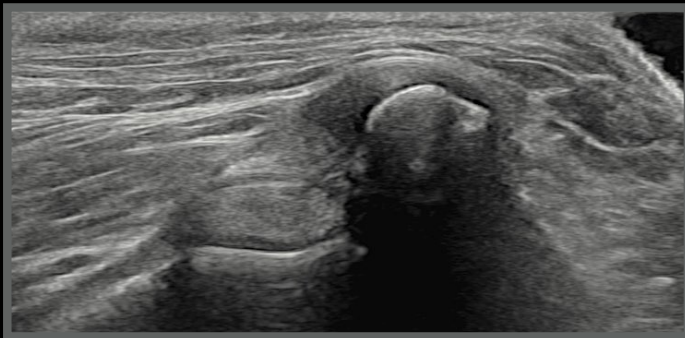


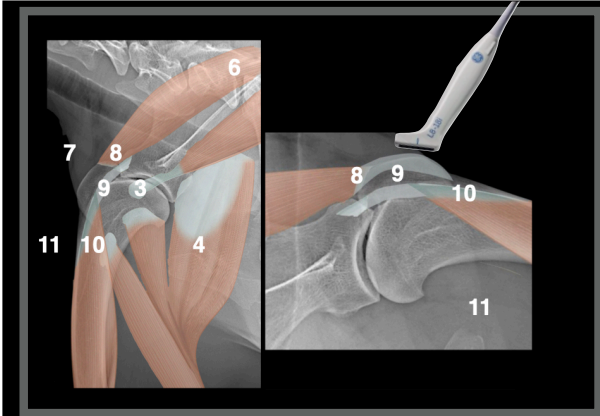
Cersei, Greyhound, FS, 9 years



Normal anatomy

Right shoulder



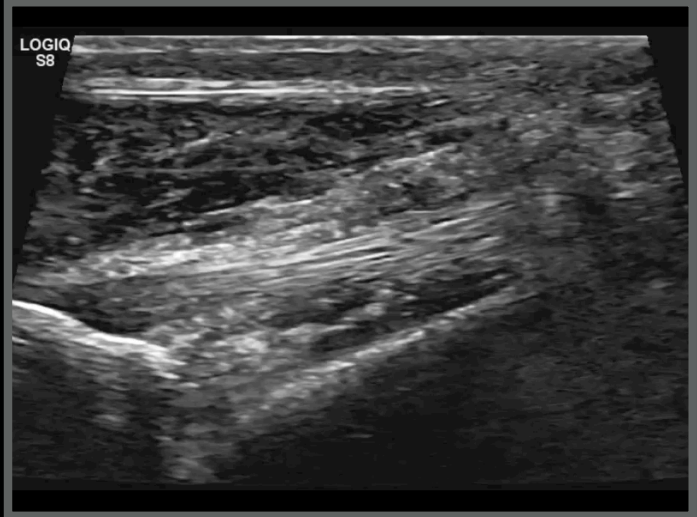
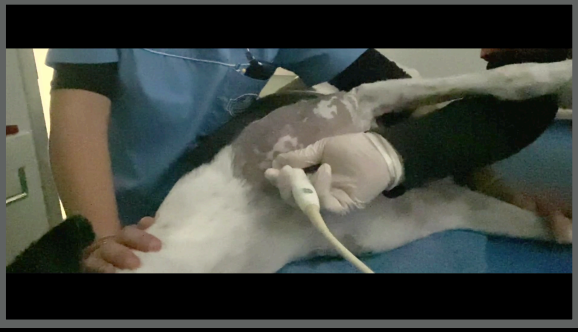


Cersei, FS, 9 years

Left shoulder



Supraspinatus tendon - BB longitudinal scan 9

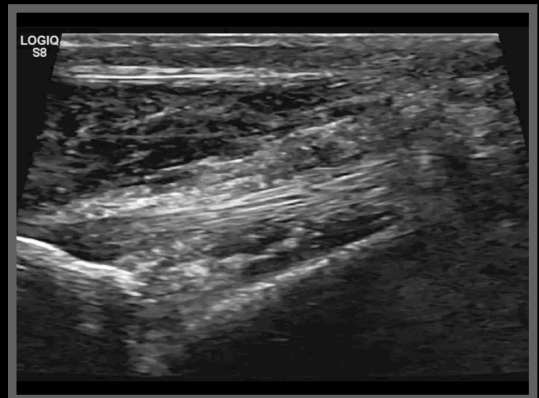
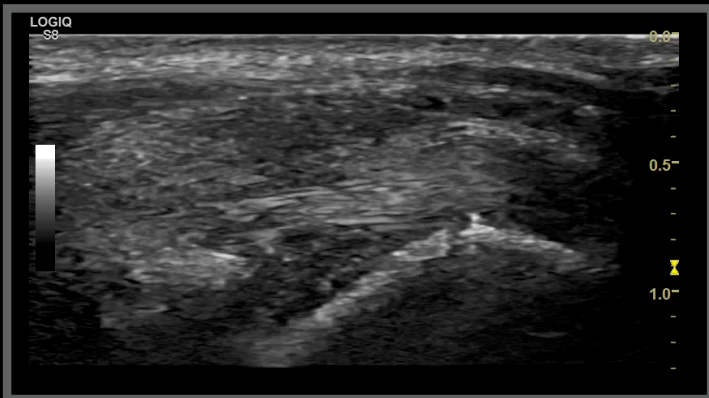


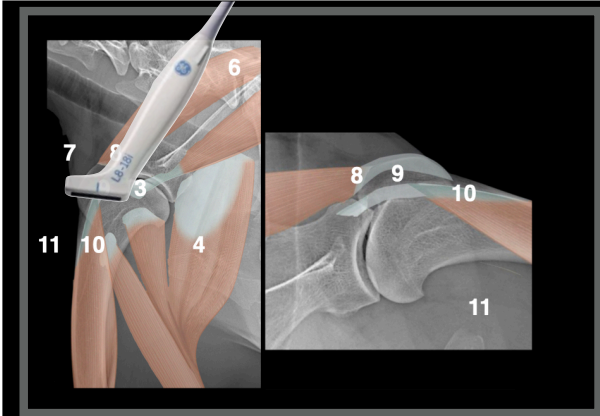
Cersei, Greyhound, FS, 9 years



Normal anatomy

Left shoulder





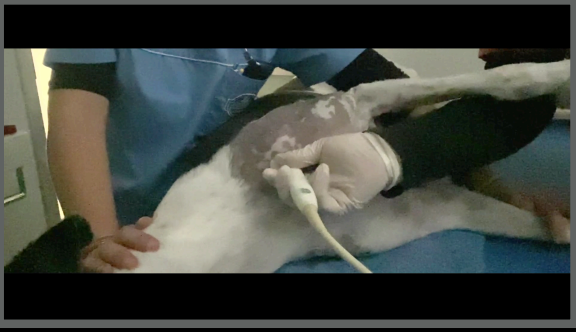
Cersei, FS, 9 years

Left shoulder



Supraspinatus tendon - BB transverse scan

9

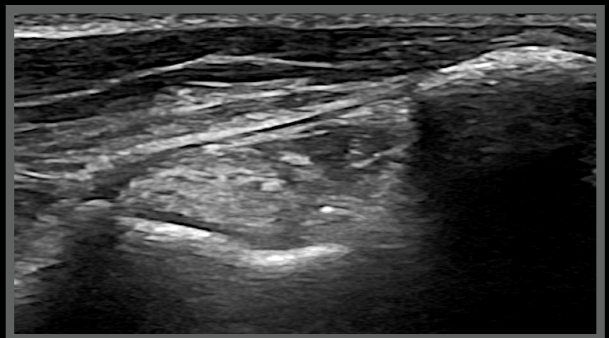
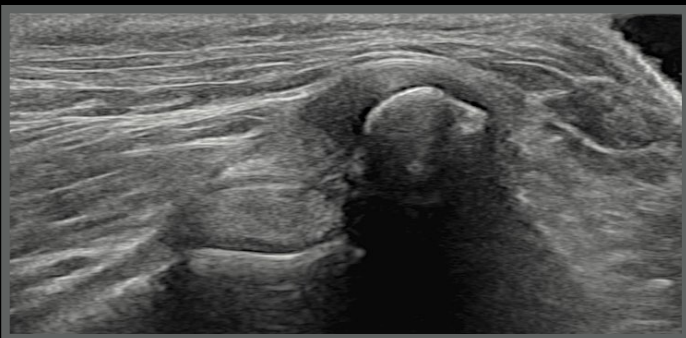


Cersei, Greyhound, FS, 9 years



Normal anatomy

Left shoulder



Cersei, Greyhound, FS, 9 years

Ultrasonographic diagnoses (right shoulder):

- Right supraspinatus second-degree tendinopathy + min
- First degree biceps brachial tendinopathy
- Impingement syndrome

What next?

Laser

Shock waves

Increase the Triceps strength



Cersei, Greyhound, FS, 9 years

Ultrasonographic diagnoses (left shoulder):

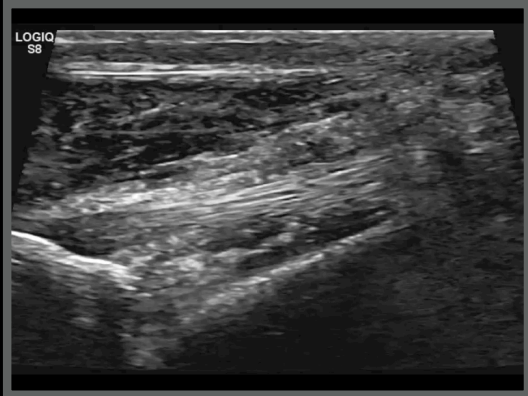
- Mild shoulder effusion
- Vacuum phenomenon

What do you think?



Orthopedic and ultrasonographic examination findings in 128 shoulders of 64 ultra-endurance Alaskan sled dogs

Dirsko J. F. von Pfeil DVM, DACVS, DECVS, DACVSMR¹ |
Michael S. Davis DVM, PhD, DACVIM, DACVSMR² |
William D. Liska DVM, DACVS³ | Clinton George DVM⁴ |
Scott Secrest DVM, MS, DACVR⁴



Objective: To determine the location and periarticular shoulder-muscle abnormalities detected via orthopedic examinations and ultrasonography in ultra-endurance Alaskan sled-dogs, returned from an ultra-endurance sled-dog-race prior to finishing it.

Study Design: Prospective clinical study.

Sample Population: Sixty-four dogs (128 shoulders).

Methods: Dogs were classified based on clinical evidence of shoulder pain (SP versus control). Orthopedic examination findings, shoulder-abduction-angles (SAA; before- and during-anesthesia), and ultrasonographic findings were recorded. Relationships between orthopedic and ultrasonographic abnormalities were compared.

Results: Pain was elicited on 55/128 shoulders; 73 shoulders were pain-free. The most common painful structures included the biceps-tendon (BT; 30%), triceps-muscle (28%), and infraspinatus-muscle (25%). SAA ranged between 25° and 75° among groups, including pain-free shoulders in dogs without lameness. SAA was greater when dogs were anesthetized ($46.3^\circ \pm 14.0^\circ$ vs. $47.8^\circ \pm 12.0^\circ$; $p = .03$), especially in SP (mean increase of $3.49^\circ \pm 8.85^\circ$) compared to control ($0.03^\circ \pm 7.71^\circ$, $p = .009$). Overall, 103 ultrasonographic abnormalities were detected (SP: 44; control: 59). The most common ultrasonographic abnormality was fluid surrounding the biceps tendon, similarly distributed between groups (SP: 39/44; control: 57/59). Most chronic ultrasonographic abnormalities affected the BT (15/103 abnormalities). No associations were detected between ultrasonographic abnormalities and clinical findings.

Conclusion: Shoulder abduction varied greatly and reached up to 75° in normal joints. Ultrasonographic shoulder-muscle abnormalities were common but did not seem associated with clinical findings.

Thank you



Diagnostic Mindset

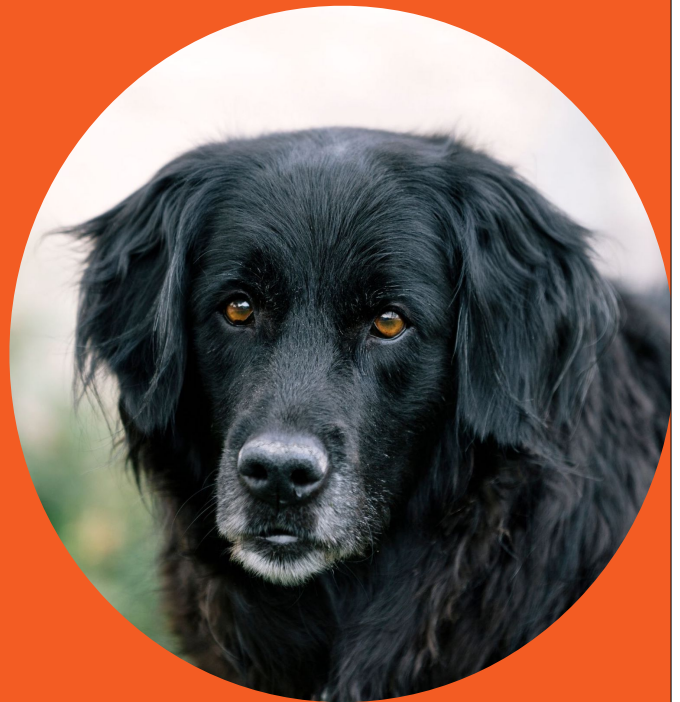
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Unresponsive pain on the left shoulder in a Flat Coated Retriever

Giliola Spattini
DVM, GP Cardio, CCRT, PhD, DECVDI



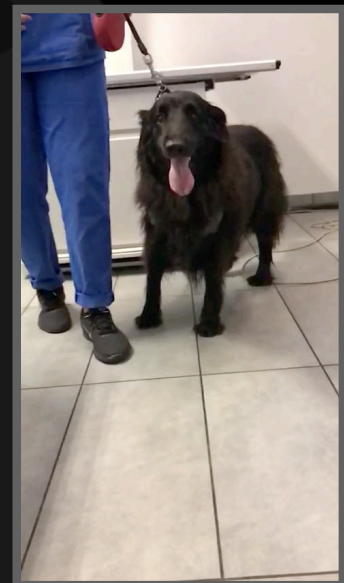
Diagnostic Mindset



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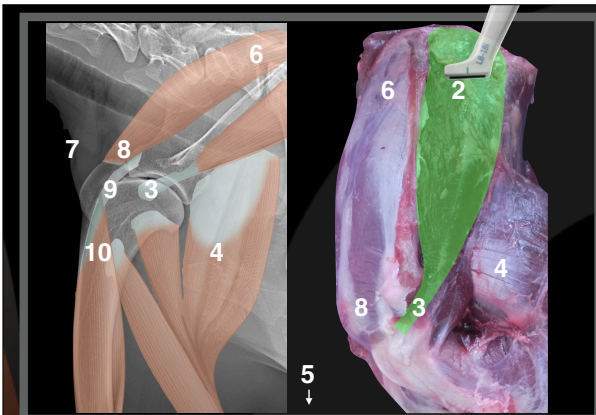
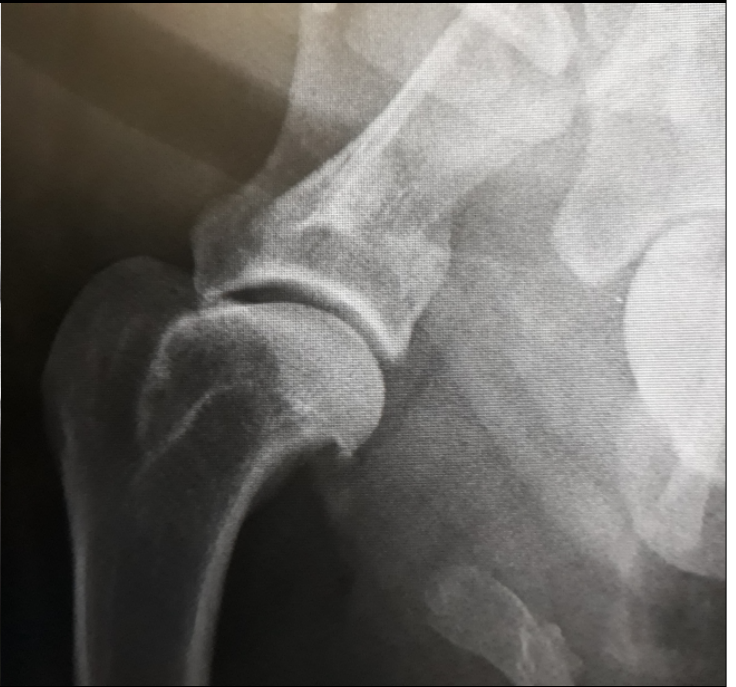
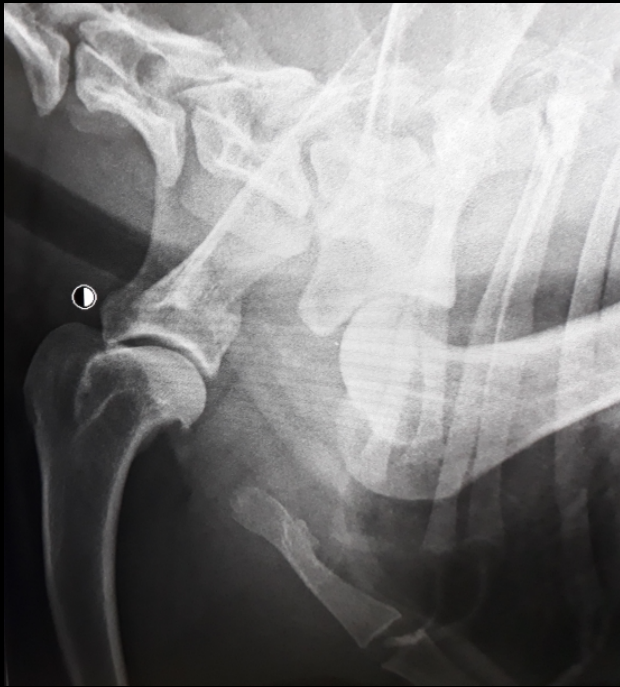
Blu, Flat Coated Retriever, FI, 6 years

- Two months ago, acute lameness left the front limb. No trauma seen
- Resolved with NSAID
- Relapsed one month later, now not responsive

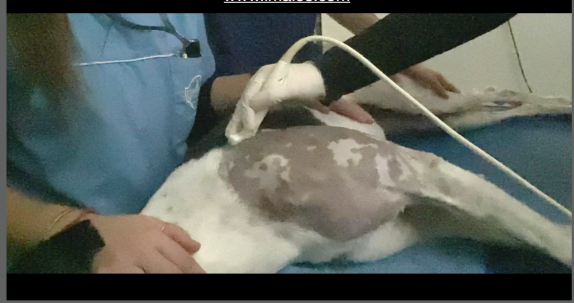


Blu, F, 6 years

Referring vet X-rays. I phone pictures :-)



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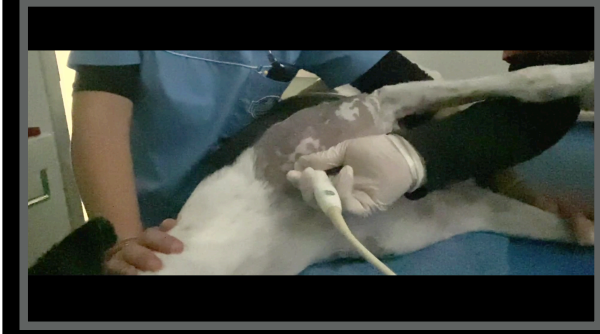
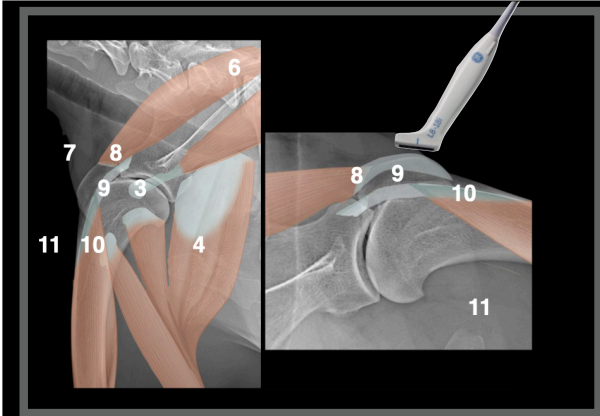
Blu, FI, 6 years

Left shoulder

Infraspinatus muscle transverse scan

2-3



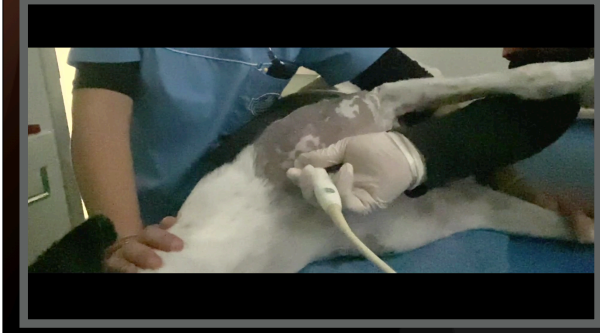
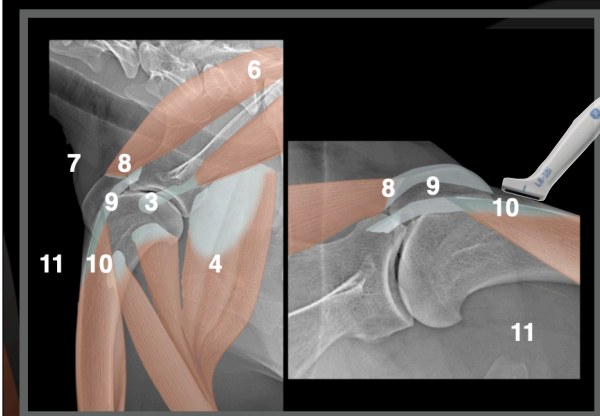
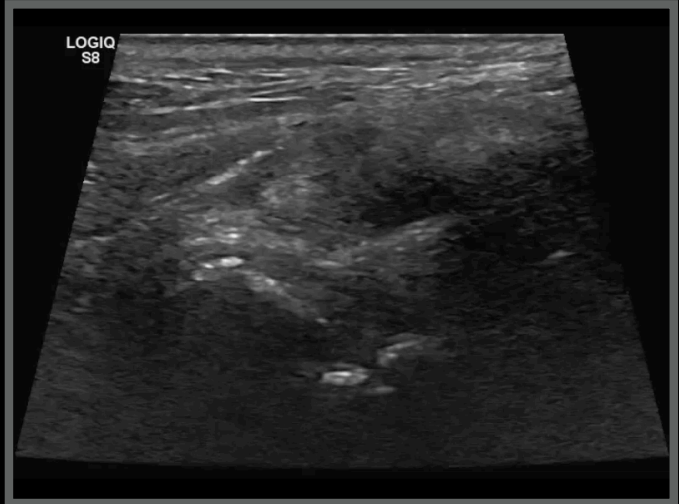


Blu, FI, 6 years

Left shoulder



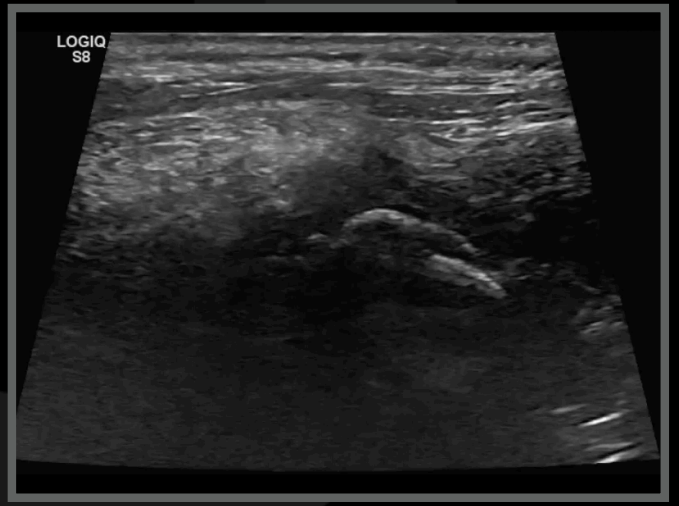
Supraspinatus tendon - BB longitudinal scan 9

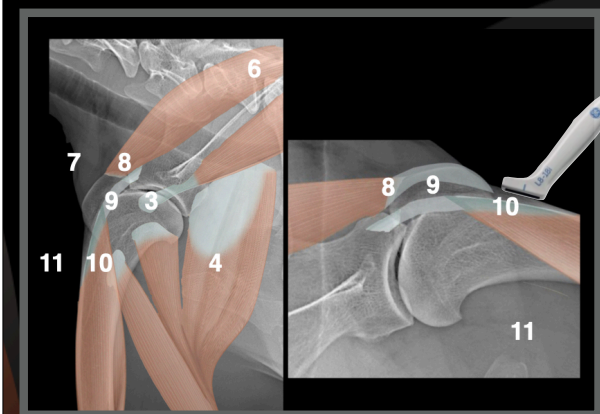


Blu, FI, 6 years

Left shoulder

BB longitudinal scan 10



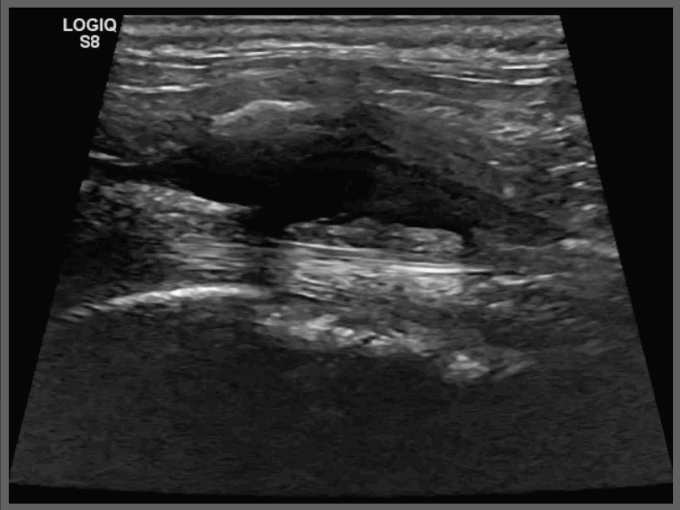
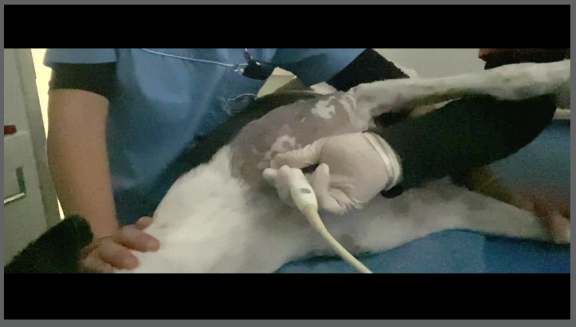


Blu, FI, 6 years

Left shoulder

BB longitudinal scan

10

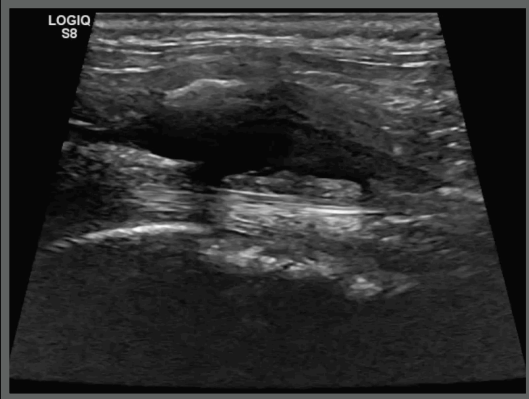
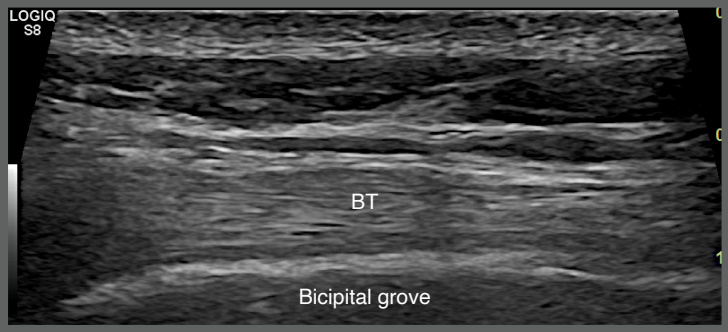


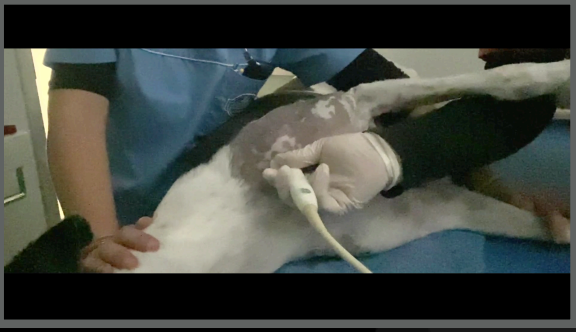
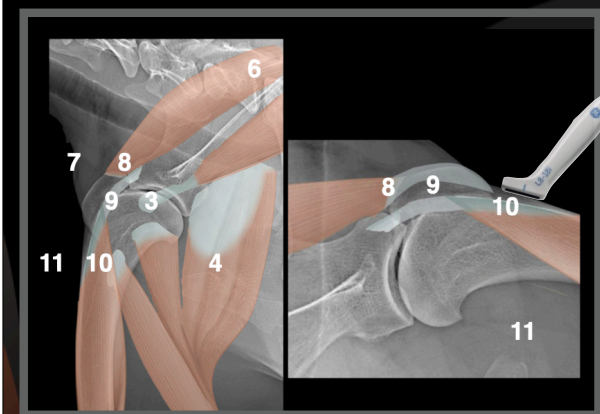
Blu, Flat Coated Retriever, FI, 6 years



Normal anatomy

Left shoulder



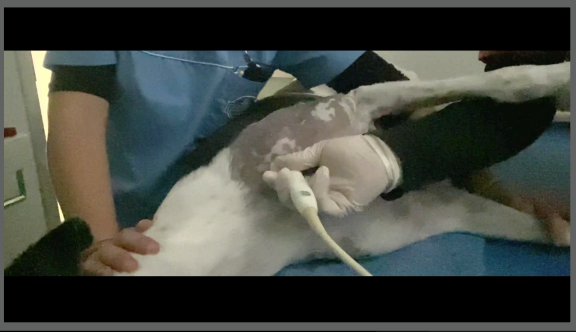
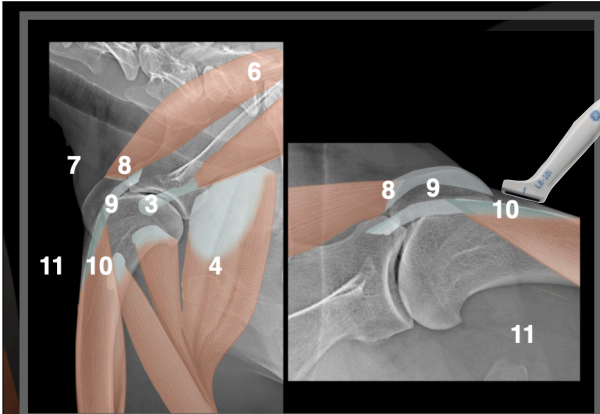
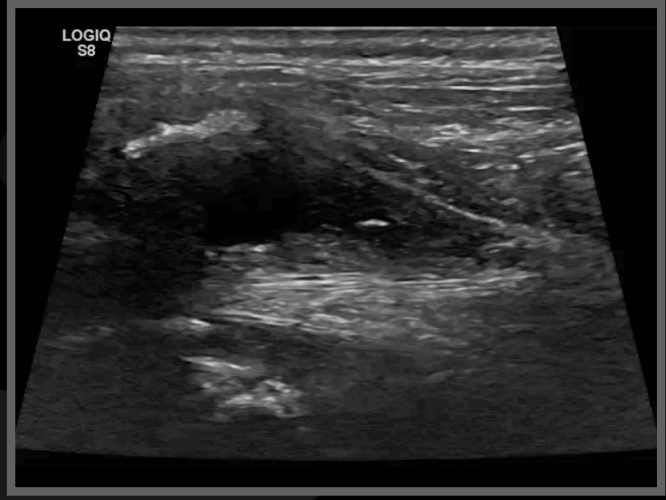


Blu, FI, 6 years

Left shoulder

BB longitudinal scan

10

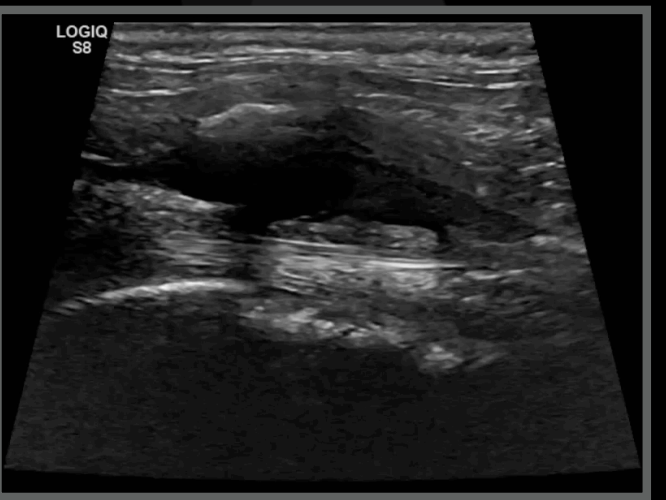


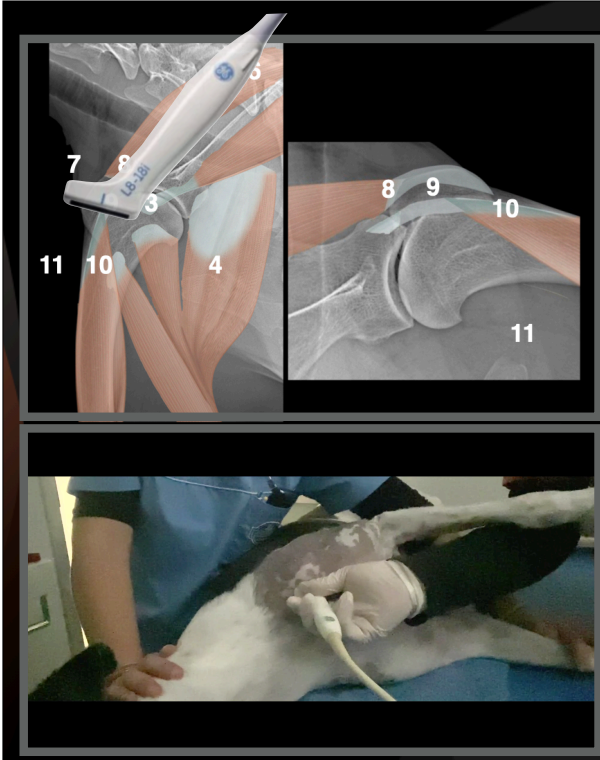
Blu, FI, 6 years

Left shoulder

BB longitudinal scan

10



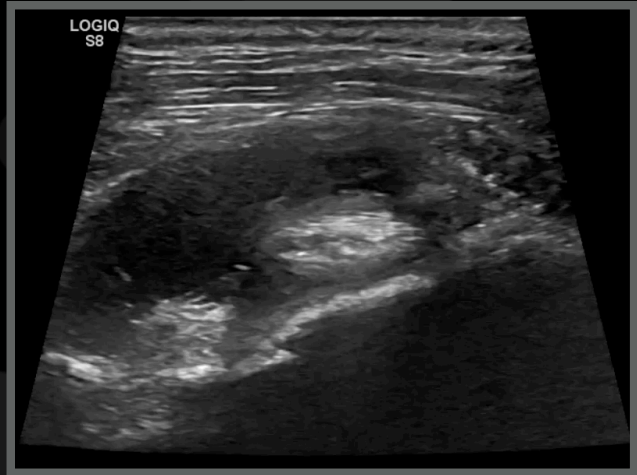


Blu, FI, 6 years

Left shoulder

BB longitudinal scan

10

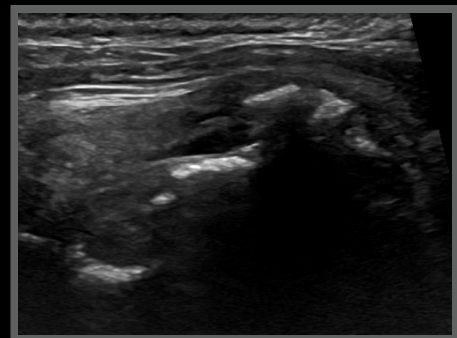
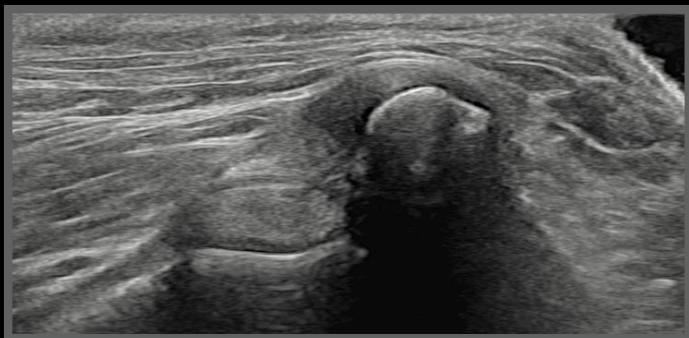


Blu, Flat Coated Retriever, FI, 6 years



Normal anatomy

Left shoulder





Blu, Flat Coated Retriever, FI, 6 years

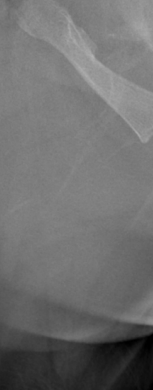
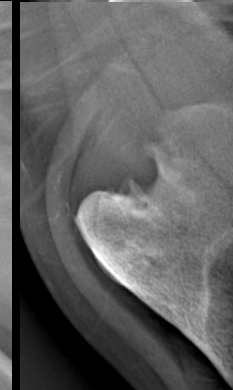
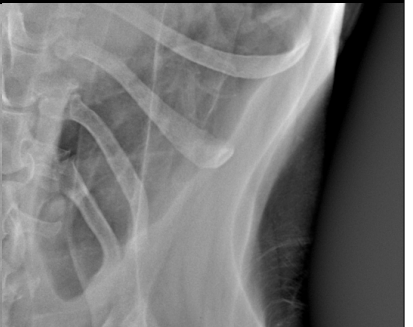
Ultrasonographic diagnoses (left shoulder):

- Severe shoulder effusion
- Thickened and partially mineralised bicipital tendon sheath
- “Eaten” great tubercle



What do you think?

Blu, FI, 6 years



Thank you



Diagnostic Mindset

www.diagnosticmindset.com

Recurrent lameness in a Poodle

CASE DISCUSSION

Giliola Spattini
DVM, GP Cardio, CCRT, PhD, DECVDI



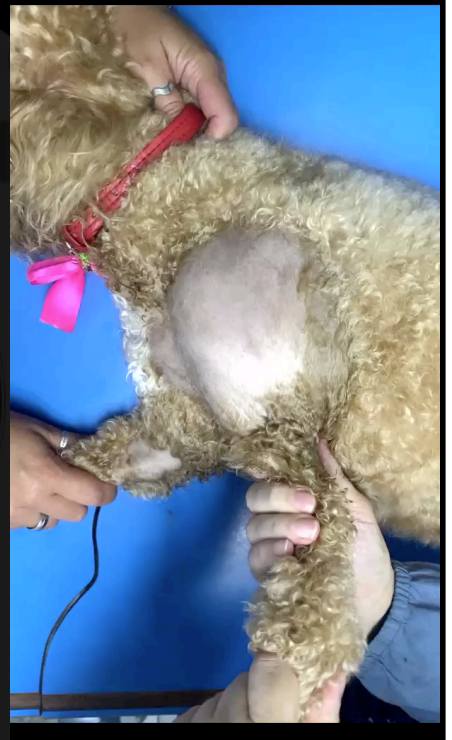
Diagnostic Mindset



Thank to www.imaos.com

Clotilde, Toy Puddle, FS, 7 years

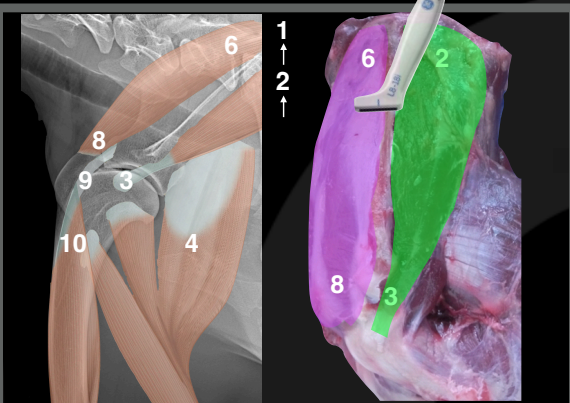
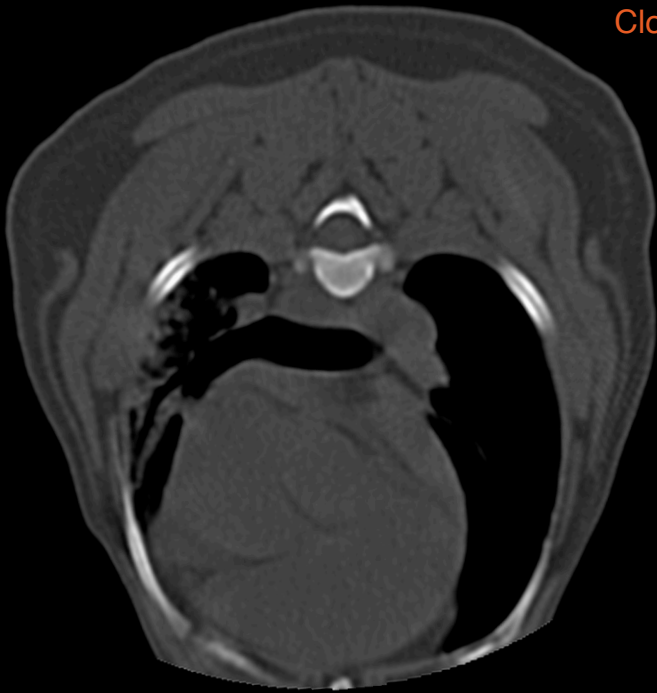
- Suspected left shoulder or biceps tendon sub/luxation
- Several episodes of acute lameness
- Only partially responding to NSAID



Clotilde, FS, 7 years



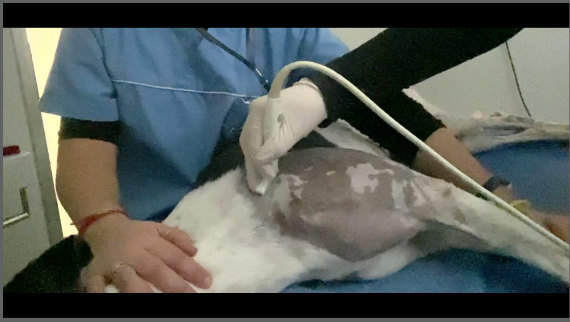
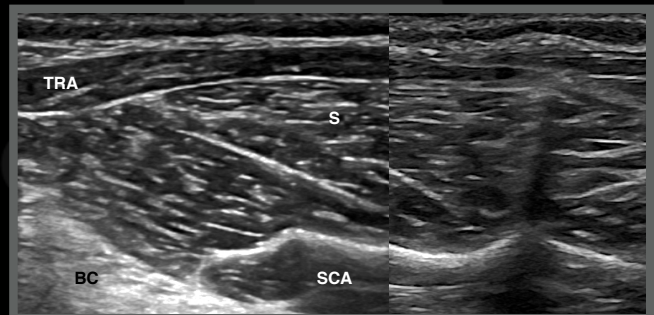
Clotilde, FS, 7 years

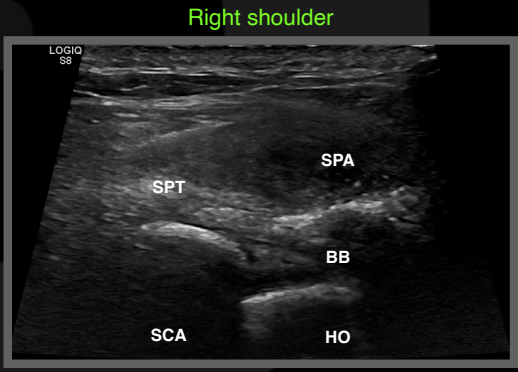
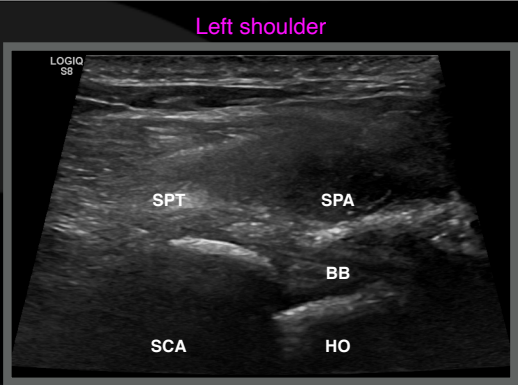
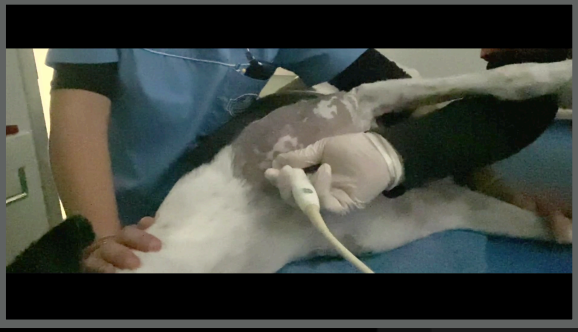
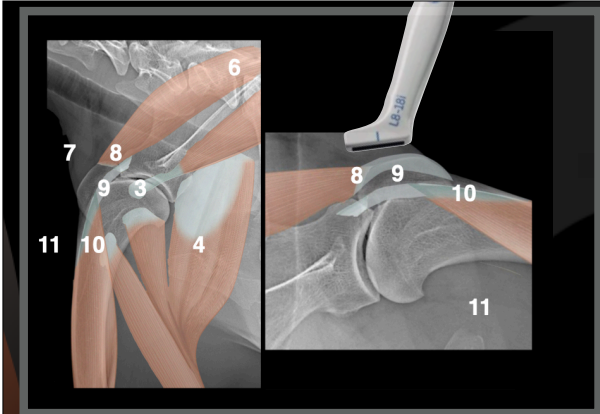


Clotilde, FS, 7 years

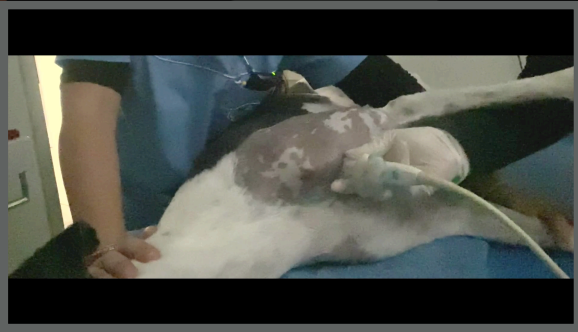
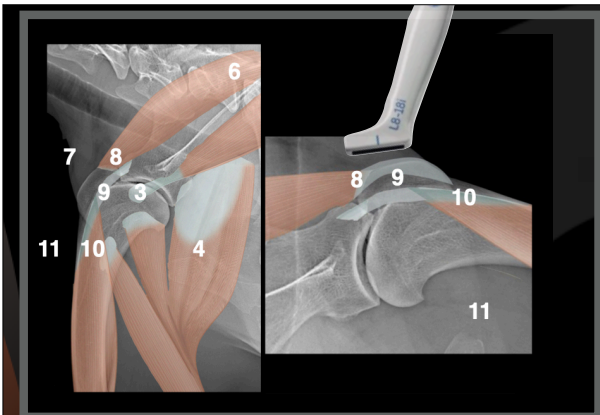
Left shoulder

Supraspinatus muscle transverse scan





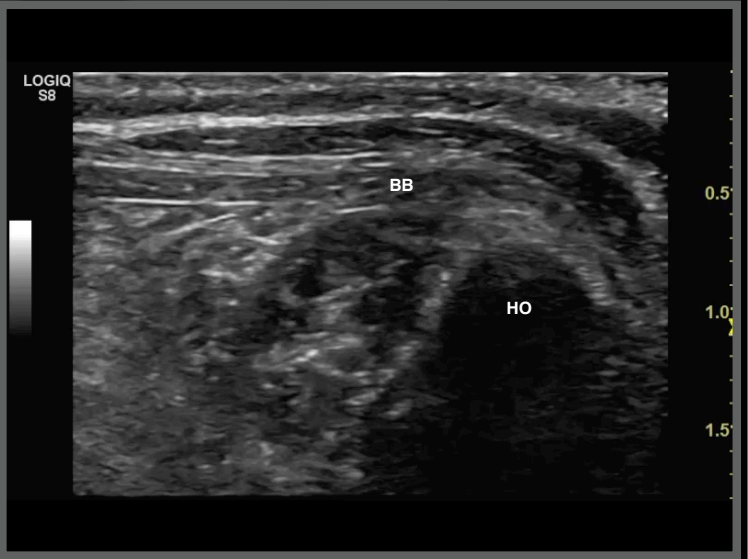
Clotilde, FS, 7 years

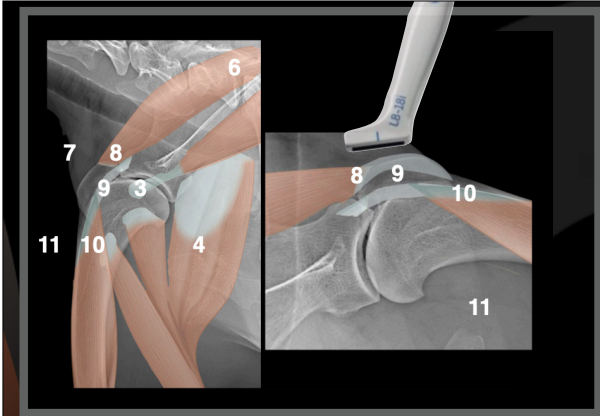


Clotilde, FS, 7 years

Right shoulder

Bicep Brachii transverse scan

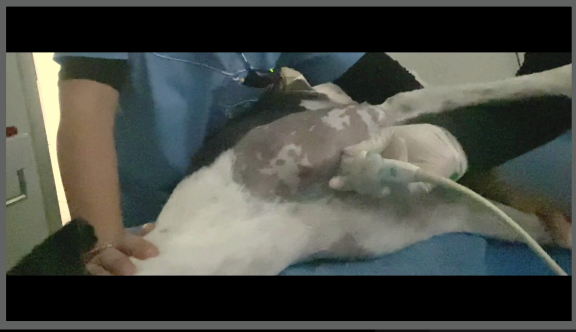




Clotiled, FS, 7 years

Left shoulder

Bicep Brachii transverse scan

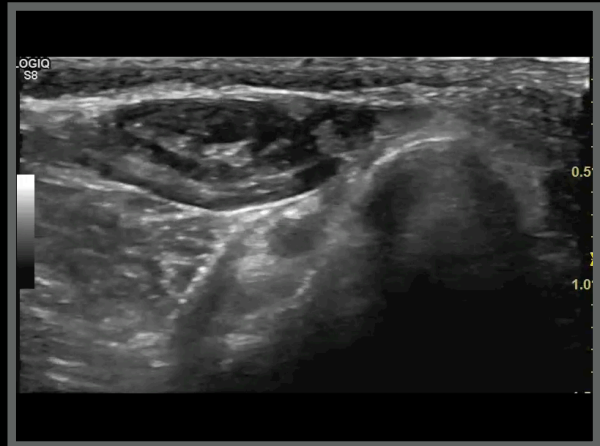
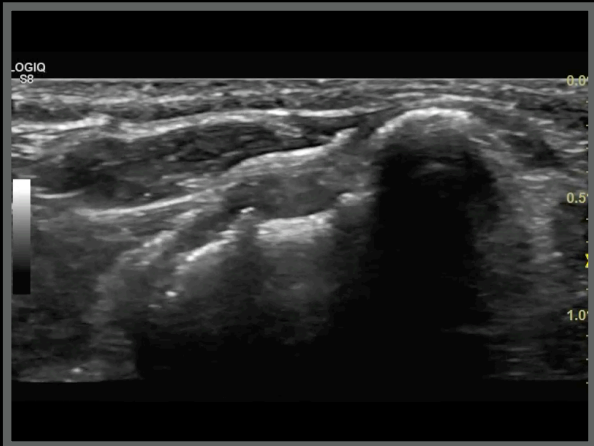


Clotilde, Toy Puddle, FS, 7 years



Right shoulder

Left shoulder



Medial Shoulder Instability: Prevalence and Treatment Outcomes in 17 Poodles and 31 Dogs of Other Breeds

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Abstract

Objective The aim of this retrospective multicenter study was to investigate whether poodles were overrepresented in a cohort of dogs with medial shoulder instability (MSI), and to compare the incidence of spontaneous (nontraumatic) MSI and treatment outcome in poodles and non-poodle dogs.

Study Design Medical records (2009–2019) of dogs with MSI from five surgical referral centers were reviewed.

Results Forty-eight dogs with confirmed MSI were enrolled; 17 (35%) of which were poodles and 31 (65%) were of other breeds (including 11 [23%] poodle crossbreeds). Poodles were more than 10 times overrepresented in the MSI populations ($p < 0.0001$) compared with other breeds. MSI occurred spontaneously in 82% of poodles and 52% of non-poodles; the odds of presenting with spontaneous MSI for poodles were four times greater than that for non-poodle breeds. There were no differences in terms of treatments and outcomes.

Conclusion Poodles were significantly overrepresented in the cohort of dogs presenting with MSI and were more likely to have spontaneous rather than traumatic MSI.

Keywords

- ▶ dogs
- ▶ medial shoulder instability
- ▶ poodle

Thank you



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