

Low performance after pregnancy

Can musculoskeletal ultrasound detect the cause of low performance after rest and pregnancy in this agility dog?



Diagnostic Mindset

Thanks to www.imaios.com

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DVM, PhD, DECVDI

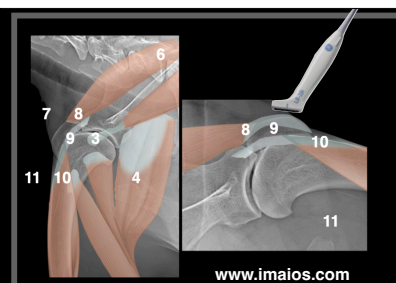
Azulha, Shetland, FI, 4 years

- After pregnancy and rest, reluctant to jump
- Low sportive performance
- She escapes jumping
- Not interested in training



Azulha, Shetland, FI, 4 years

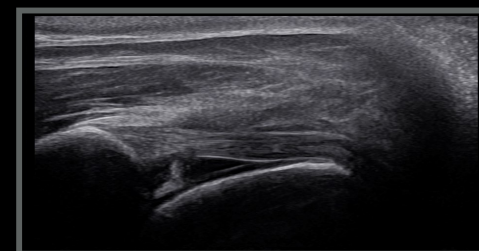
- Pain on right shoulder extension
- Unremarkable radiographs
- Unsuccessful physiotherapy (suspected supraspinatus and biceps tendinopathy)

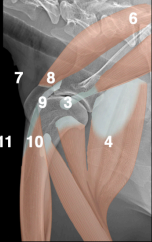
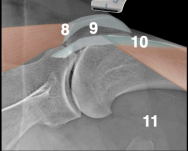


Azulha

Left shoulder

Supraspinatus tendon - BB longitudinal scan 9



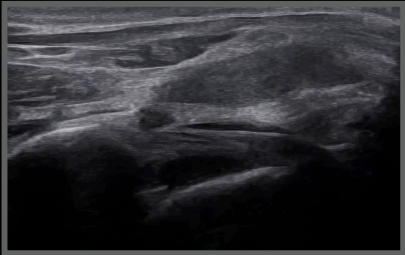
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Azulha
Right shoulder

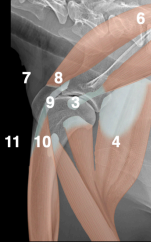
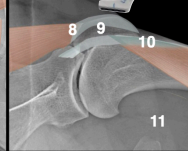
Supraspinatus tendon - BB longitudinal scan

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DX M



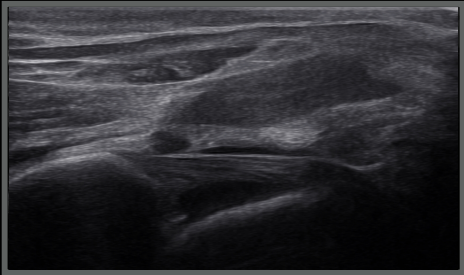
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Azulha
Right shoulder

Supraspinatus tendon - BB longitudinal scan

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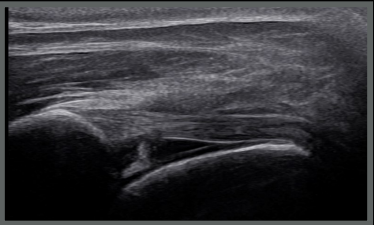



Azulha, Shetland, FI, 4 years

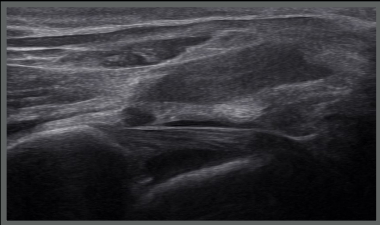
Supraspinatus tendon - BB longitudinal scan

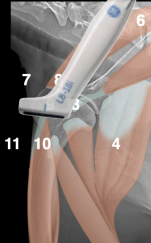
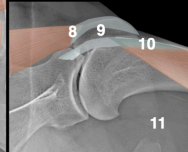


Left shoulder



Right shoulder



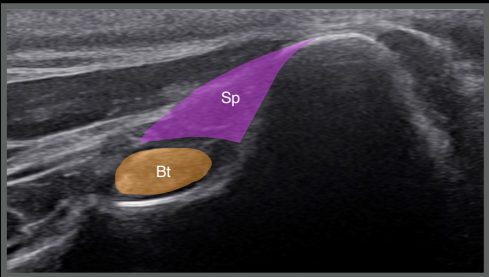
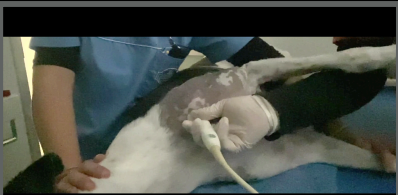
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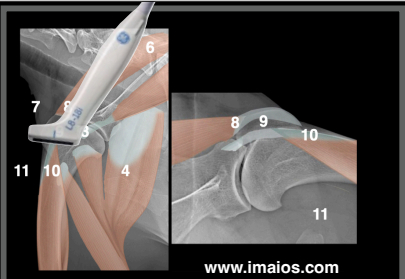


Azulha, FI, 4 years
Left shoulder

Supraspinatus tendon - BB transverse scan

9



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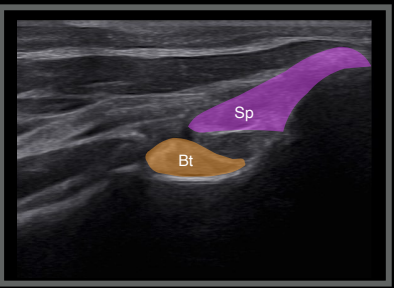




Azulha, FI, 4 years
Right shoulder

Supraspinatus tendon - BB transverse scan

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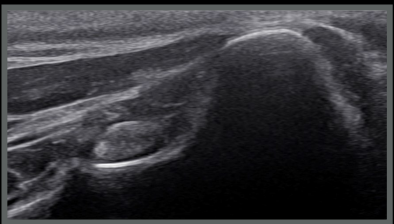


Azulha, Shetland, FI, 4 years

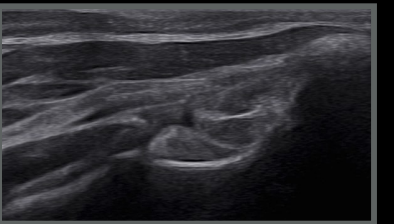
Supraspinatus tendon - BB transverse scan



Left shoulder



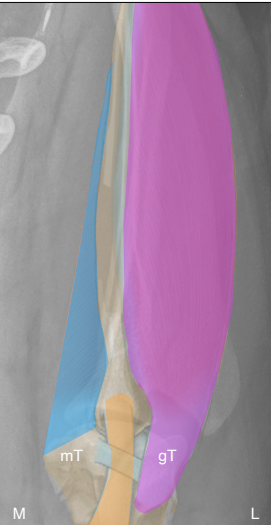
Right shoulder



- Supraspinatus
- BB
- Subscapularis

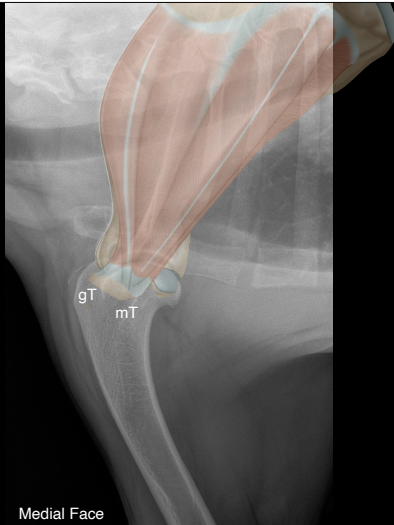


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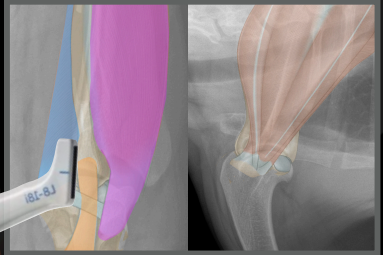


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The subscapularis muscle



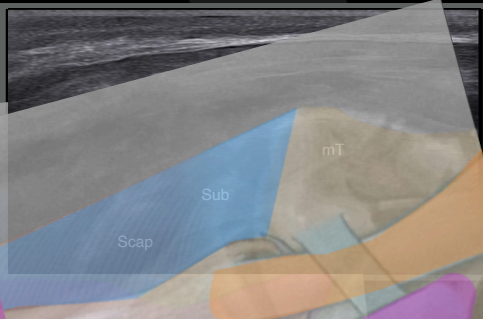
Medial Face



Normal anatomy of the Subscapularis tendon

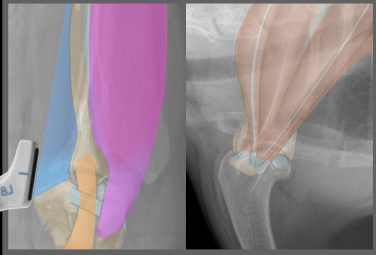
Subscapularis long-trans scans

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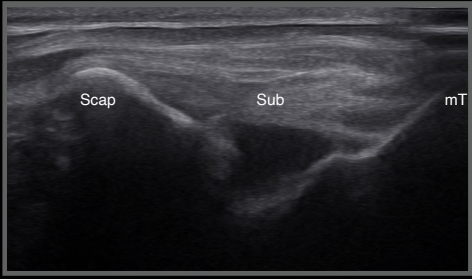


Azulha, FI, 4 years
Right shoulder

Subscapularis longitudinal scan



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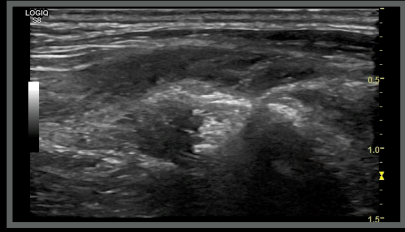


Azulha, Shetland, FI, 4 years

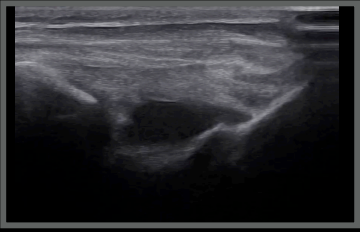
Subscapularis longitudinal scans



Normal anatomy



Right shoulder



Azulha, Shetland, FI, 4 years

Ultrasonographic diagnoses (right shoulder):

- Increased visualisation of the subscapularis tendon
- Subscapularis tendon elongation
- Right shoulder joint effusion
- Thickened joint capsule

Conclusions:

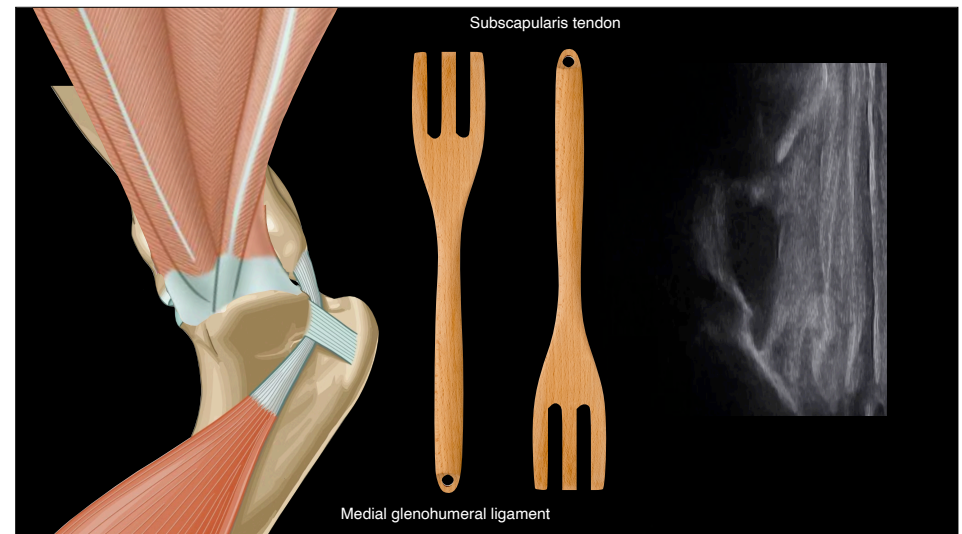
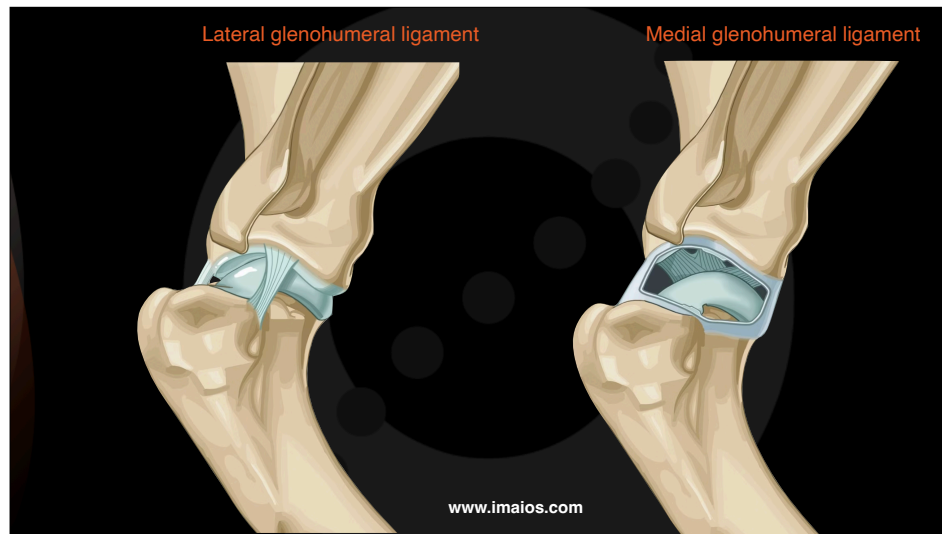
- Strong suspicion of strain of subscapularis tendon/muscle
- - - - Medial shoulder instability? - - -



Medial shoulder instability Syndrome

- Medial glenohumeral ligament
- Subscapularis tendon
- Lateral glenohumeral ligament





Azulha, Shetland, FI, 4 years

Six months later

- Much more active
- No lameness
- Still not at top performance
- Physiotherapy

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Azulha, FI, 4 years

Right shoulder

Subscapularis longitudinal scan

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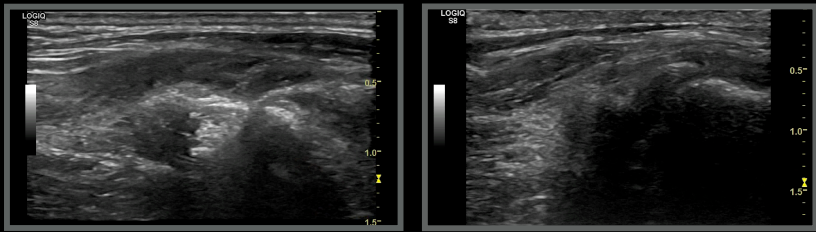
 Azulha, Shetland, FI, 4 years

Subscapularis longitudinal scans



Normal anatomy

Right shoulder



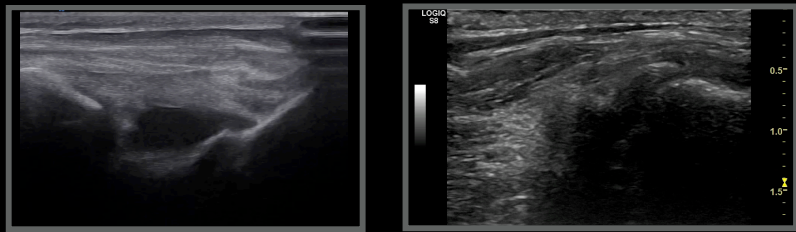
 Azulha, Shetland, FI, 4 years

Subscapularis longitudinal scans



Right shoulder

Right shoulder



Thank you



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