

Morpho-functional
approach of shoulder and
elbow ultrasound in 12
scan planes

PART 2
Supraspinatus



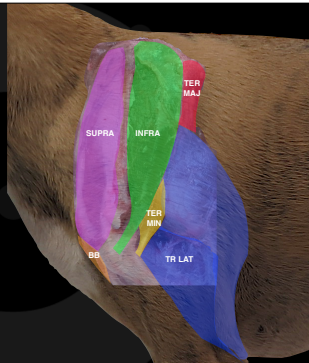
Thank to www.lobos.com



Giliola Spattini
DVM, PhD, DECVDI

Gross anatomy of the shoulder

- Deltoides
- **Infraspinatus**
- **Teres Major**
- Triceps
- **Supraspinatus**
- BB
- **Teres Minor**



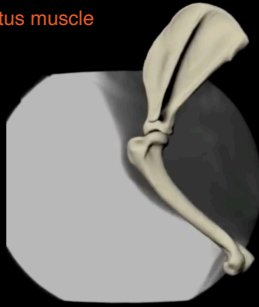
The supraspinatus muscle

- Carries the weight of the head
- Fibro-cartilaginous aponeurosis
- Low pain receptors density



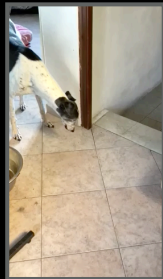
The supraspinatus muscle

- Stop the humer from displacing cranially
- Carry the weight of the head



Cin, Greyhound, FS, 10 years

- She ran against the door three days ago
- Since then, third-degree lameness left front limb
- Mild improvement on NSAID and pain killers

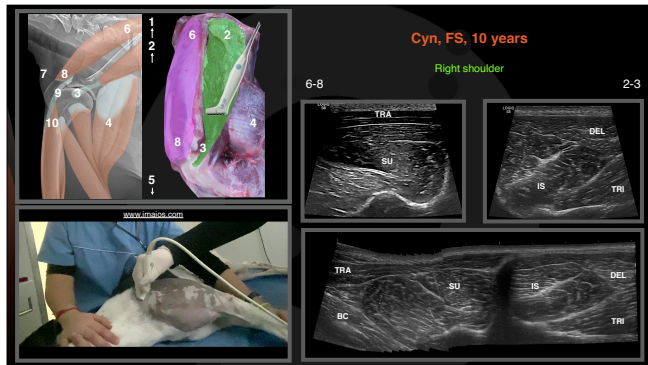


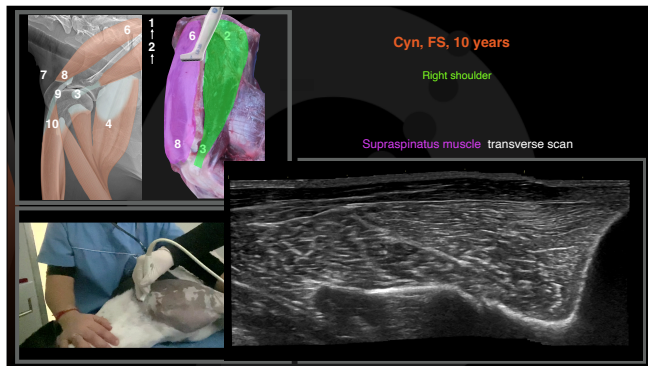
Cin, Greyhound, FS, 10 years

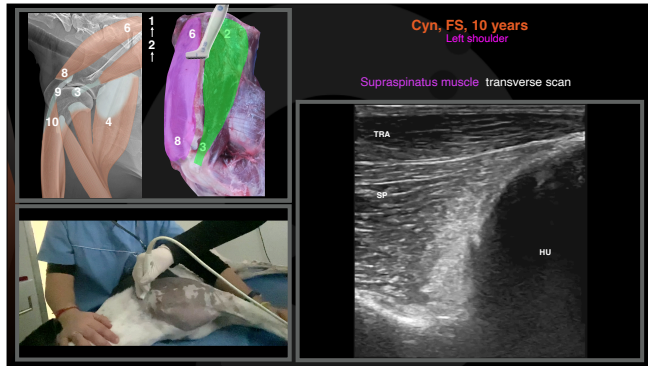
- She cries if touched
- Neurologic problem?
- Not possible to localise the pain

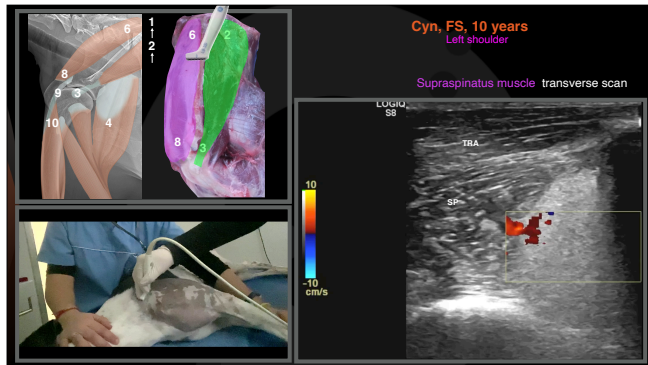


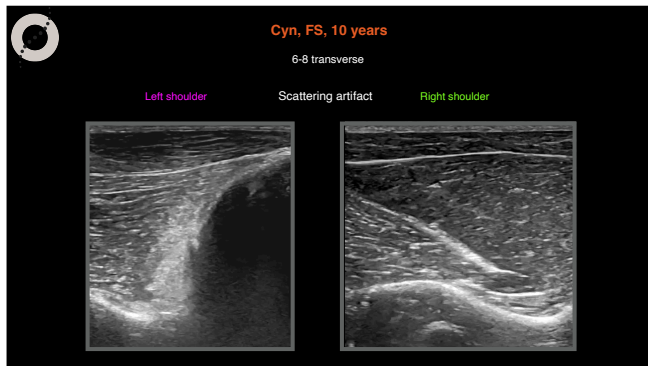










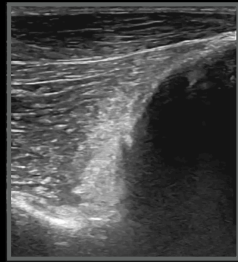




Cin, Greyhound, FS, 10 years

Ultrasonographic diagnoses:

- Focal area of scattering artefact left supraspinatus
- Possible chip fracture of the spine of the left scapula
- Suspected sub-acute muscle contusion



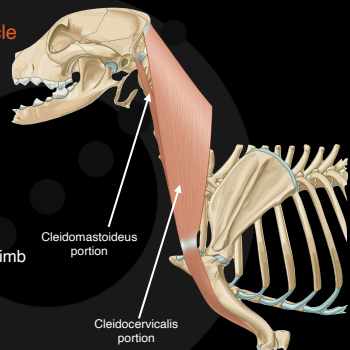
Cin, Greyhound, FS, 10 years

- Local treatment
- Immediately better
- Recovered after one week



The brachiocephalicus muscle

- Contains the clavicle
- Connect the head and the front limb



Goldreig, Shetland, MI, 6 years

- After one training session, "seems painful"
- He tried to bite when the left side of his neck was touched
- Minimal improvement with NSAID
- Negative radiographic study



