

# Ultrasound of the most common front-digits diseases in sporting dogs

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DVM, GP Cardio, CCRT, PhD, DECVDI



Diagnostic Mindset



Thank to [www.imaios.com](http://www.imaios.com)

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## Objectives

- High-resolution US improves the visualisation of distal MSK structures
- The information obtained can affect the planning for treatment



Thanks to Rico Vannini

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## Front limb



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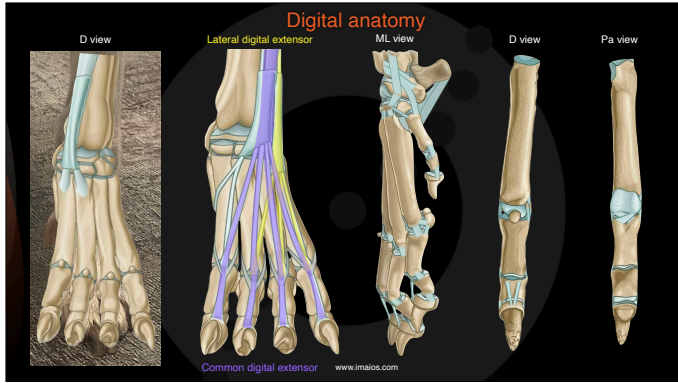
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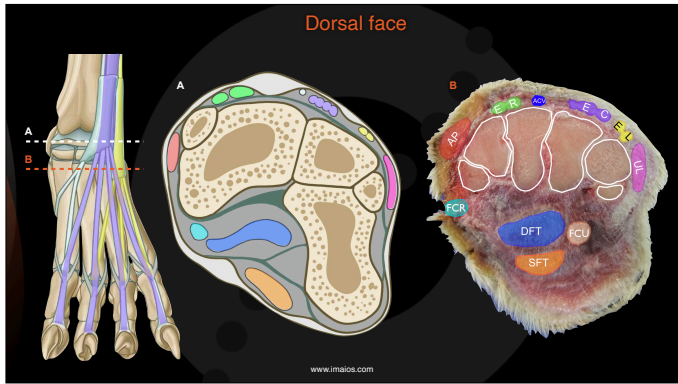
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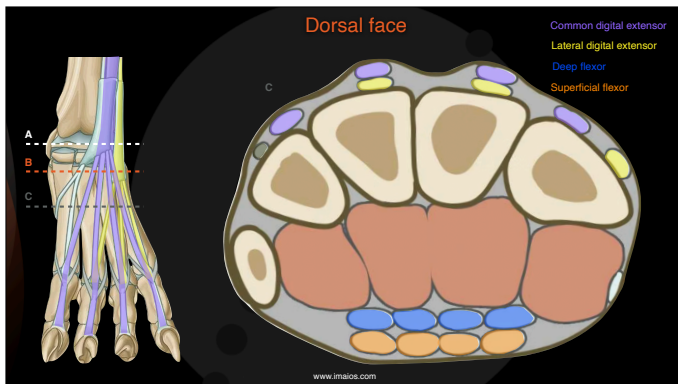
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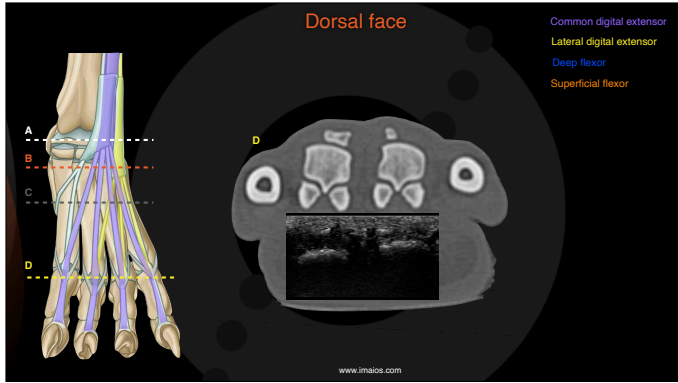
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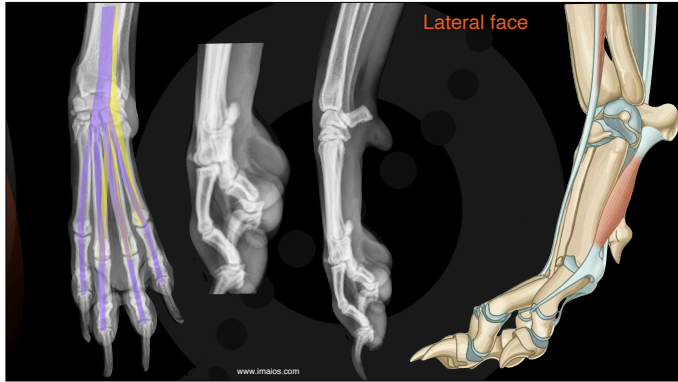
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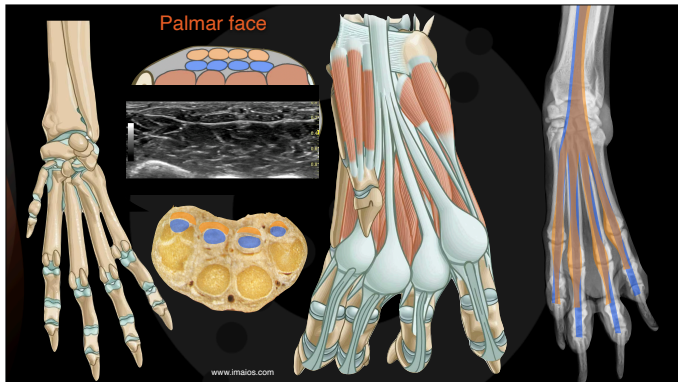
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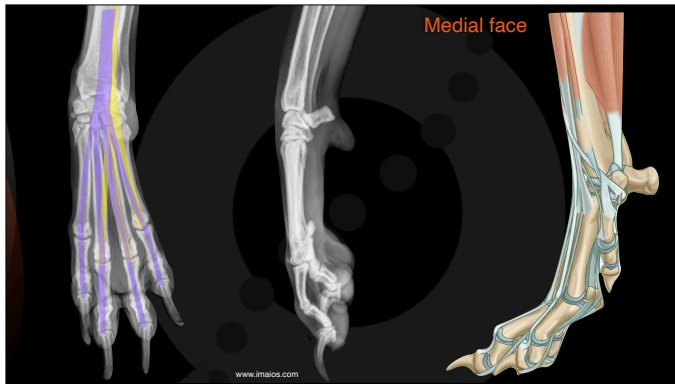
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What are you looking for with an ultrasound?

- Start with a transverse scan at the dorsal sesamoid bones
- Extensors tendons
- Joint stability-DJD-inflammatory changes
- Distal phalangeal displacement
- Are the flexor tendons competent?



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Max, Greyhound, MN, 4 years

- Ex racing
- Arrived at the new home three months ago
- After two months of lameness every time He runs
- He has recurrent digital dermatitis - inflamed digits



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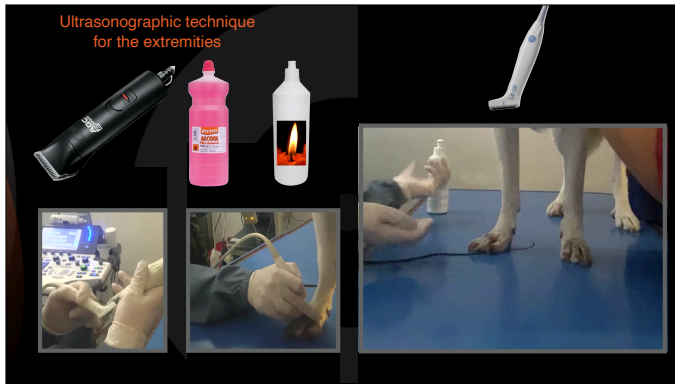
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Max, MN, 4 years

Right metacarpus

Transverse scan plan

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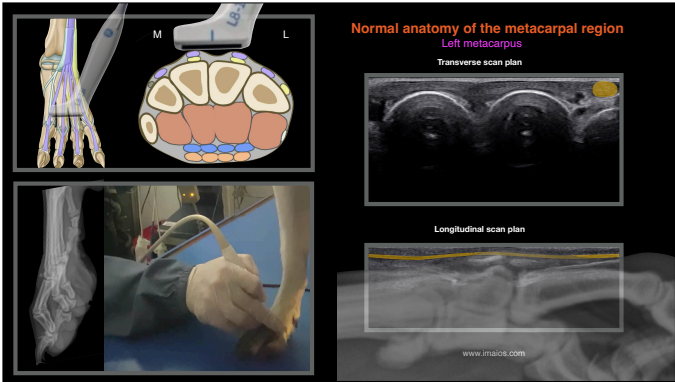
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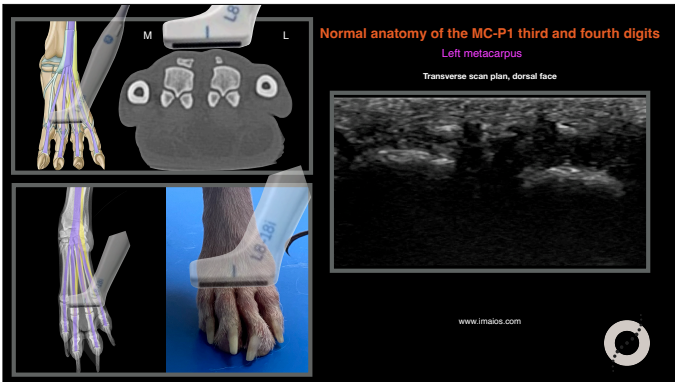
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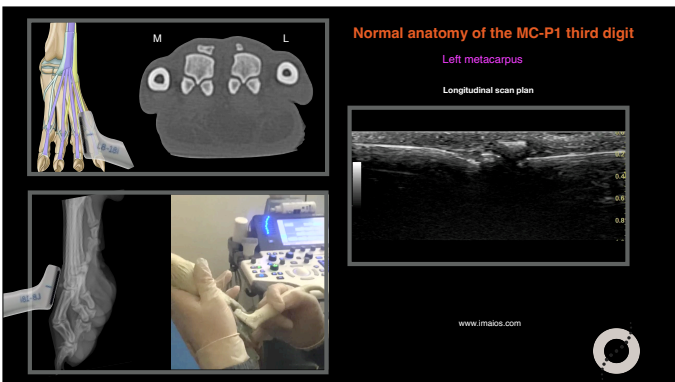
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Normal anatomy metacarpal palmar face

Left metacarpus

Transverse scan plan

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Normal anatomy metacarpal palmar face

Left metacarpus

Transverse scan plan

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Normal anatomy metacarpal palmar face

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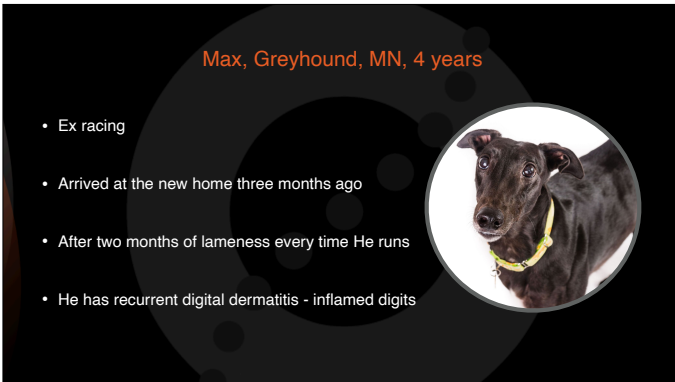
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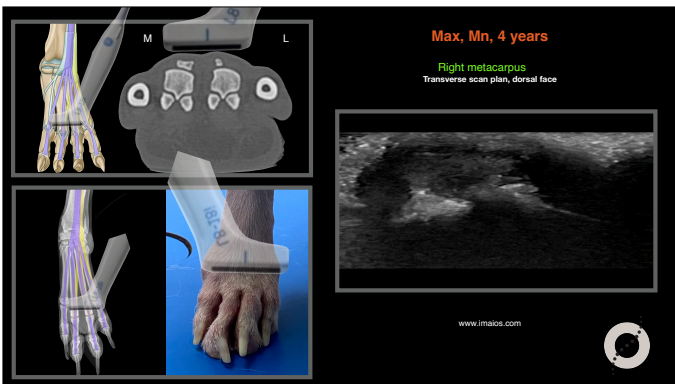
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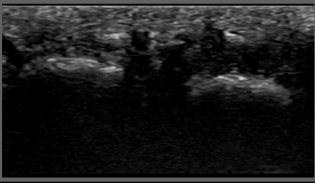
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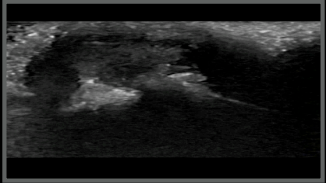
Max, Greyhound, MN, 4 years



Normal anatomy



Right MC-P1 third digit



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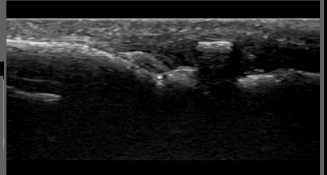
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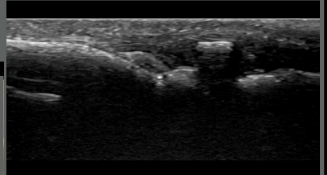
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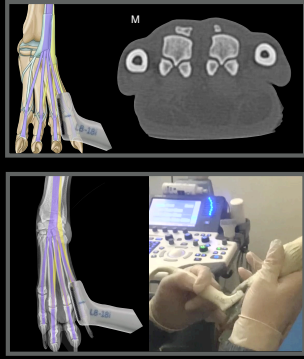
Max, Mn, 4 years



Right MC-P1 fourth digit



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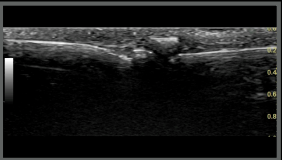
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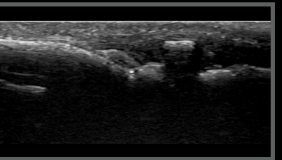
Max, Greyhound, MN, 4 years



Normal anatomy



Right metacarpus



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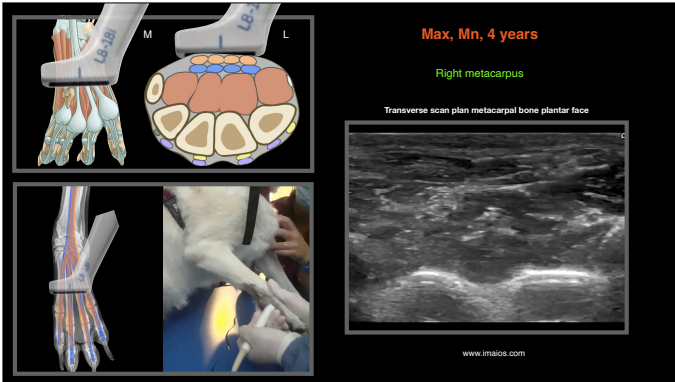
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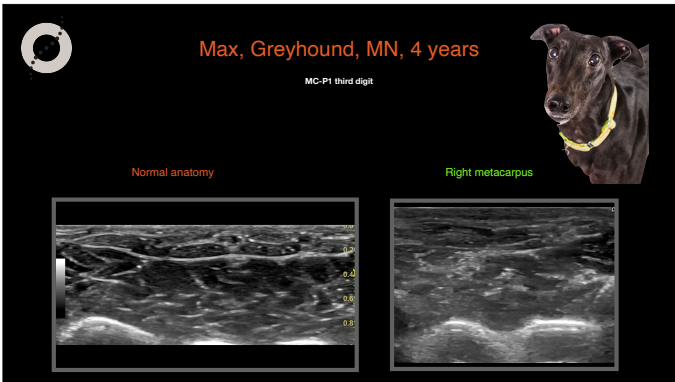
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Max, Greyhound, MN, 4 years

- Custom made shoes
- Proprioceptive exercises to increase the flexor's tone
- Different activities to increase the general muscle tones



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Thank you



Diagnostic Mindset

[www.diagnosticmindset.com](http://www.diagnosticmindset.com)

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