

# The Practical Fundamentals of Musculoskeletal Ultrasound

## Evaluation of Basic Anatomy for Ankle



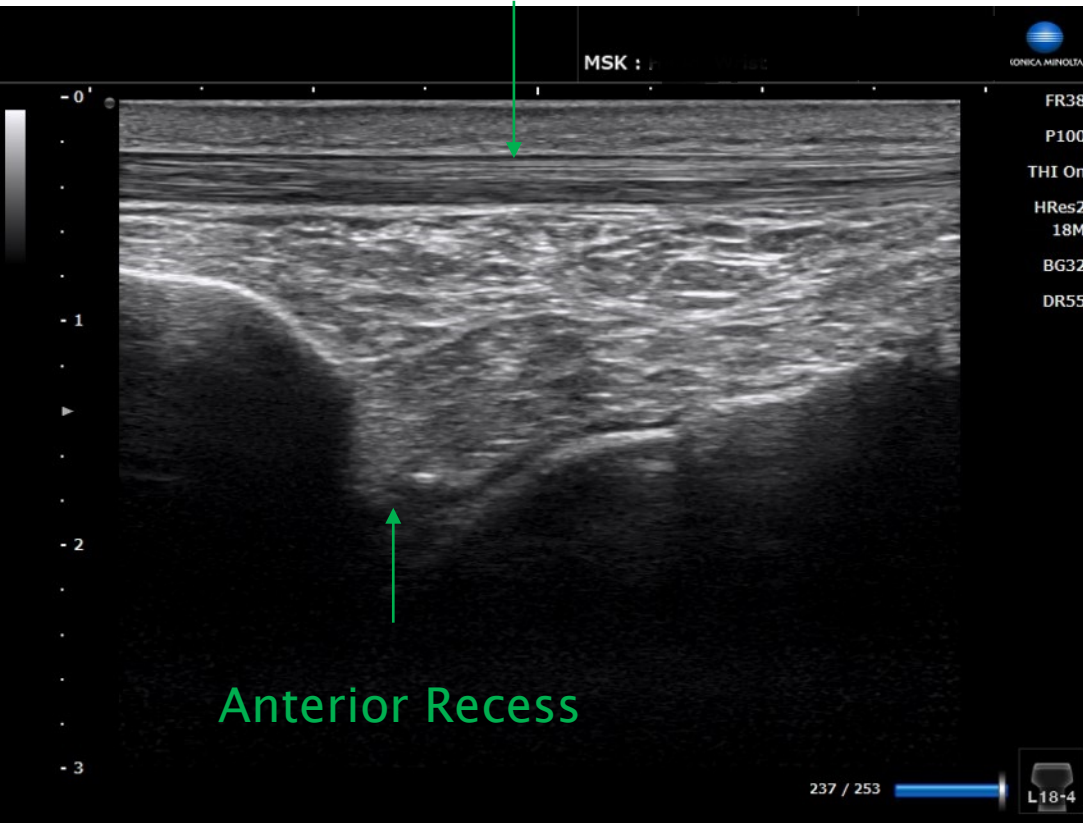
# Scanning protocol

- Anterior tibialis
- Extensor pollicis longus
- Extensor digital longus
- Anterior talofibular ligament
- Anterior tibiofibular ligament
- Calcaneofibular ligament
- Peroneal tendons (longus and brevis)
- Tibionavicular part (deltoid ligament)
- Tibialis posterior tendon
- Flexor digitorum longus
- Flexor hallucis and medial plantar nerve
- Achilles tendon and retrocalcaneal subcutaneous bursa
- Plantar aponeurosis (plantar fascia)



# Anterior: Tibialis anterior & anterior joint recess

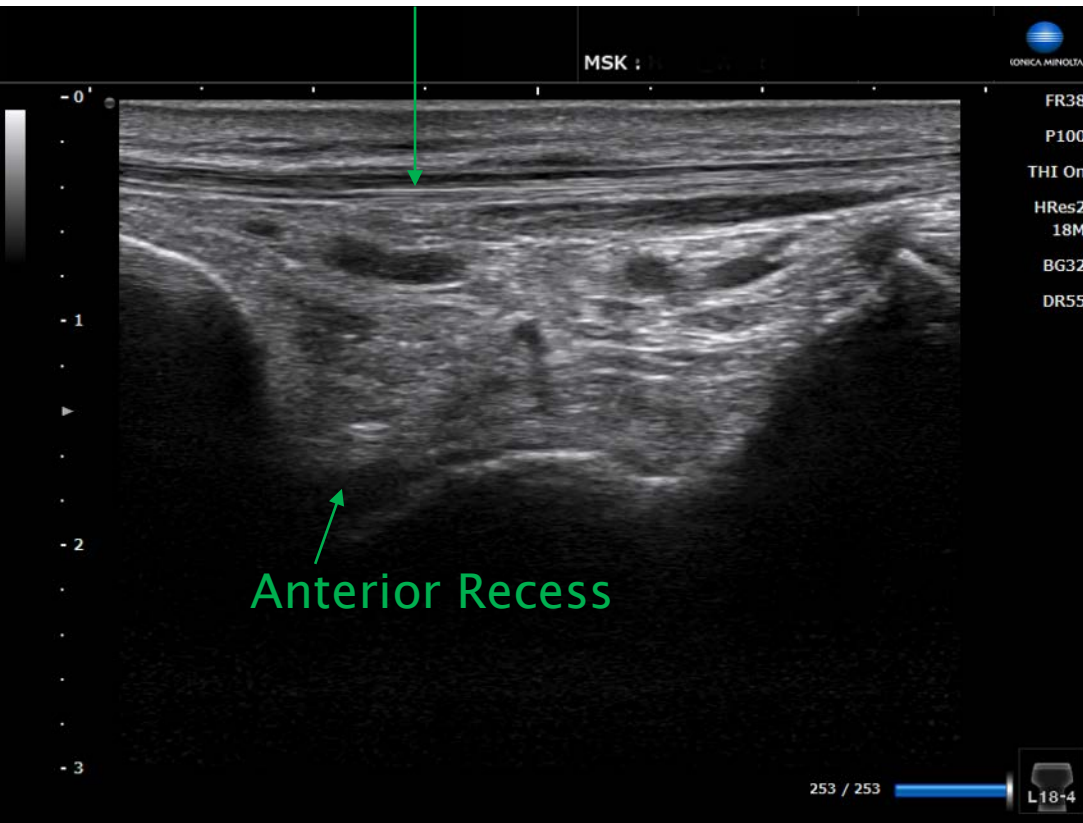
Tibialis Anterior





# Anterior : Extensor hallucis longus and anterior joint recess

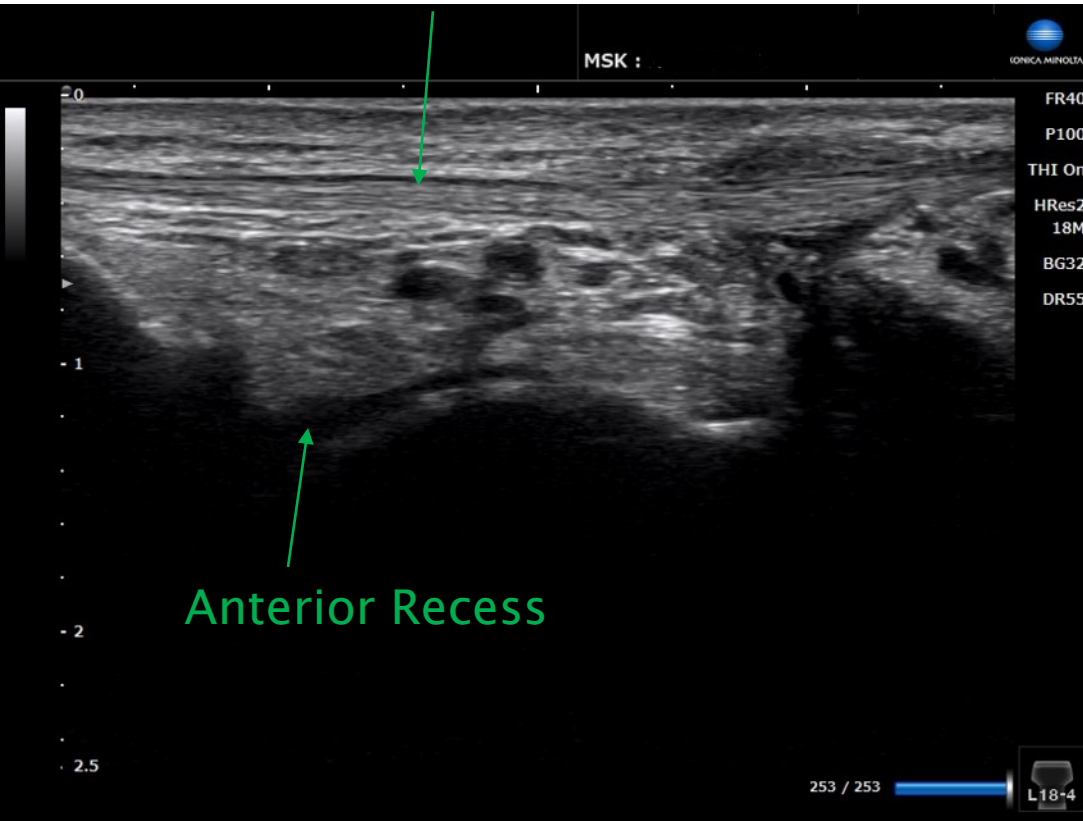
Extensor Hallusis





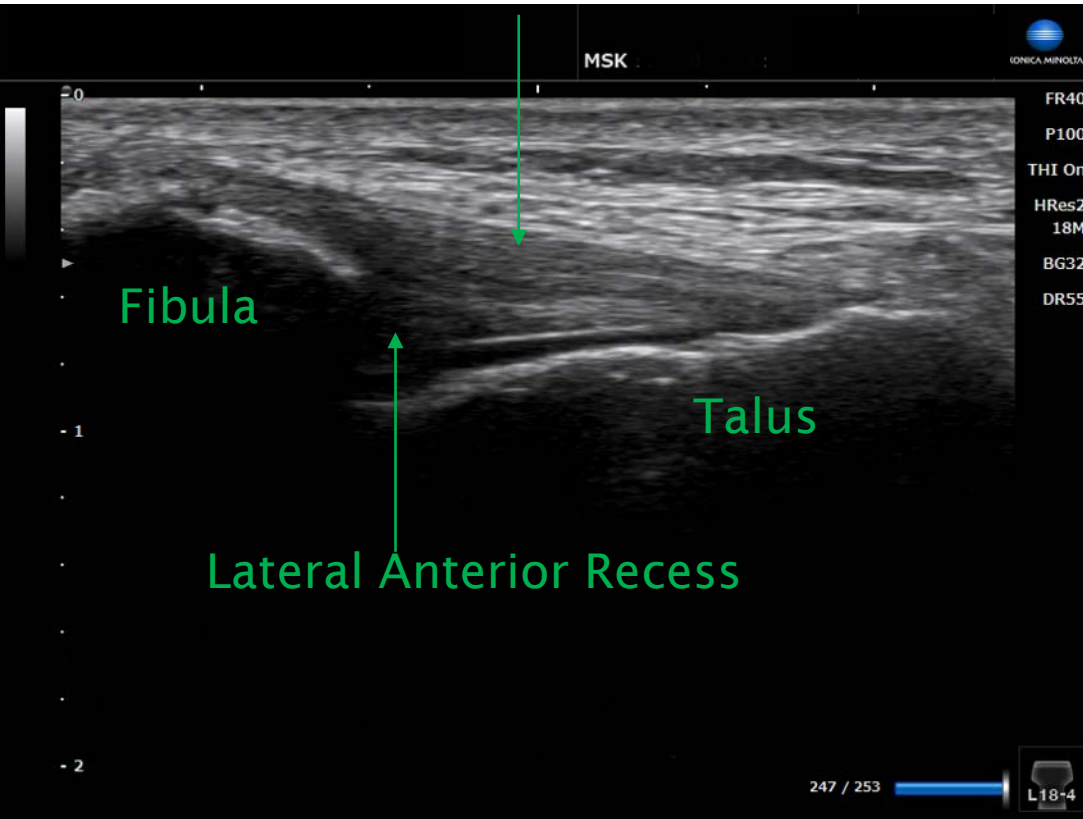
# Anterior: Extensor digitorum longus and anterior joint recess

Extensor Digitorum



# Anterior: Anterior talofibular ligament

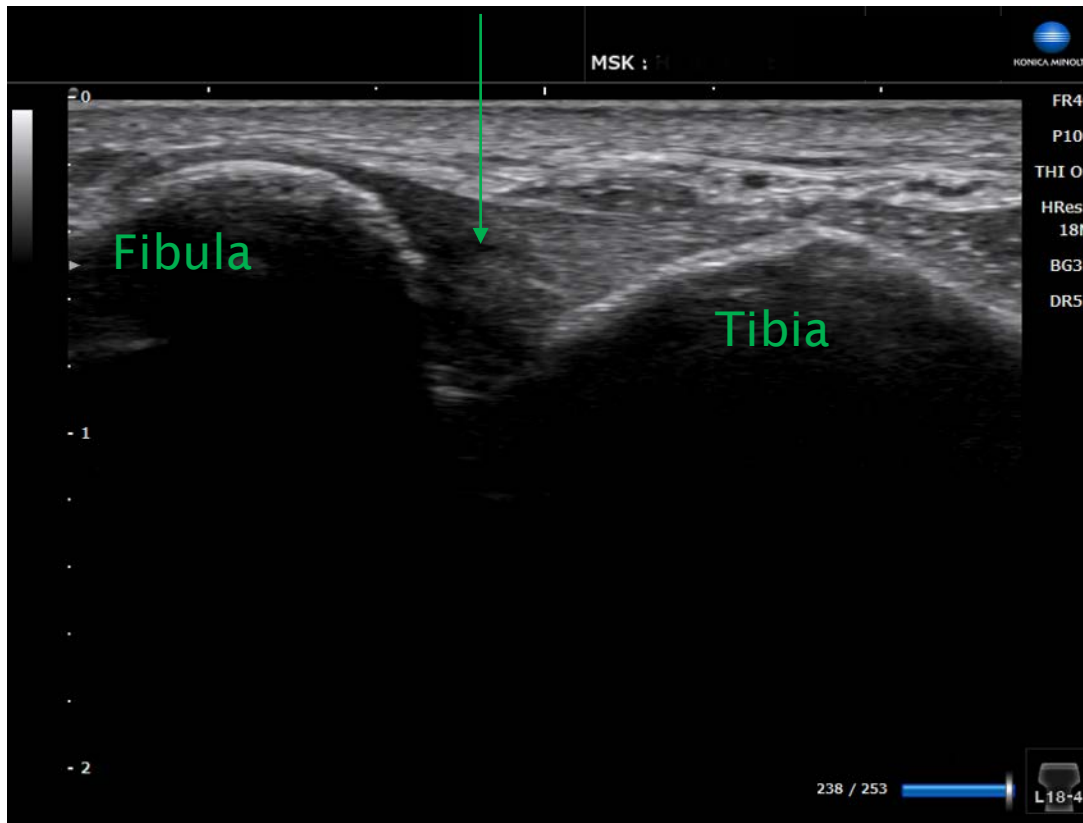
## Anterior Talofibular Ligament





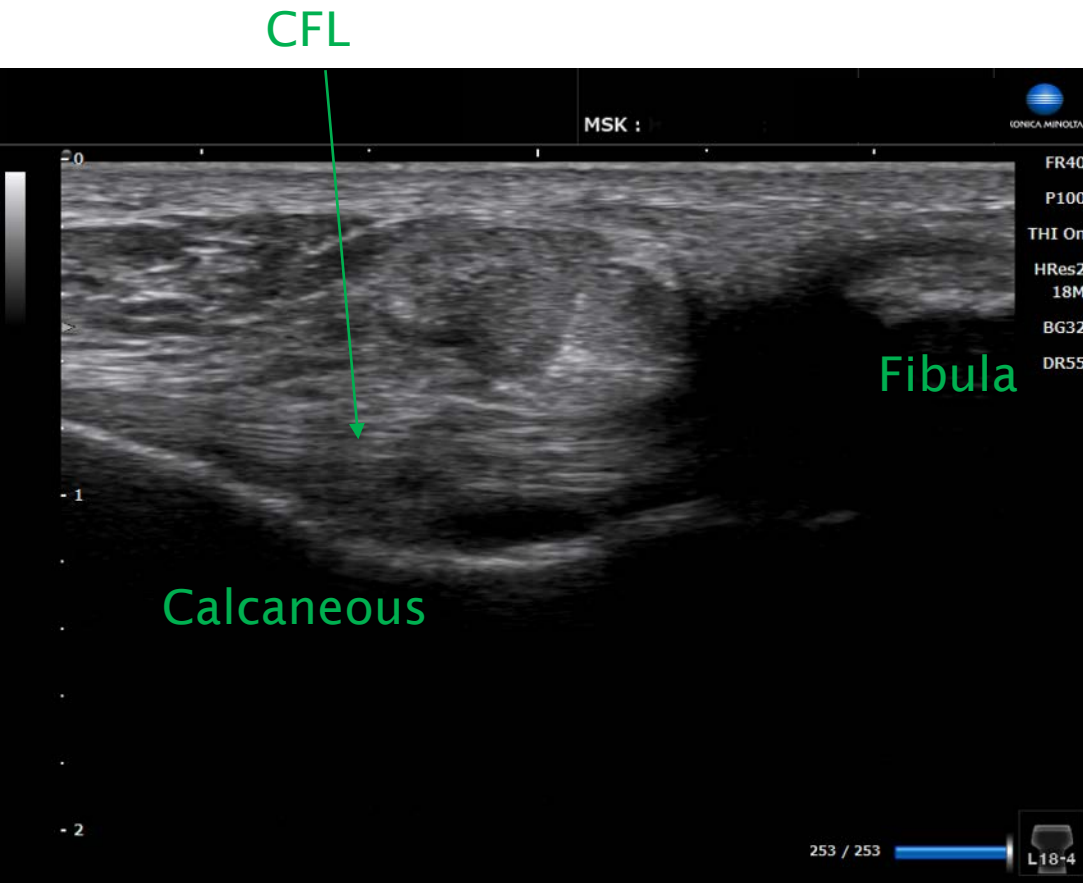
# Anterior: Anterior inferior tibiofibular ligament

## Tibiofibular Ligament





# Lateral: Calcaneofibular ligament

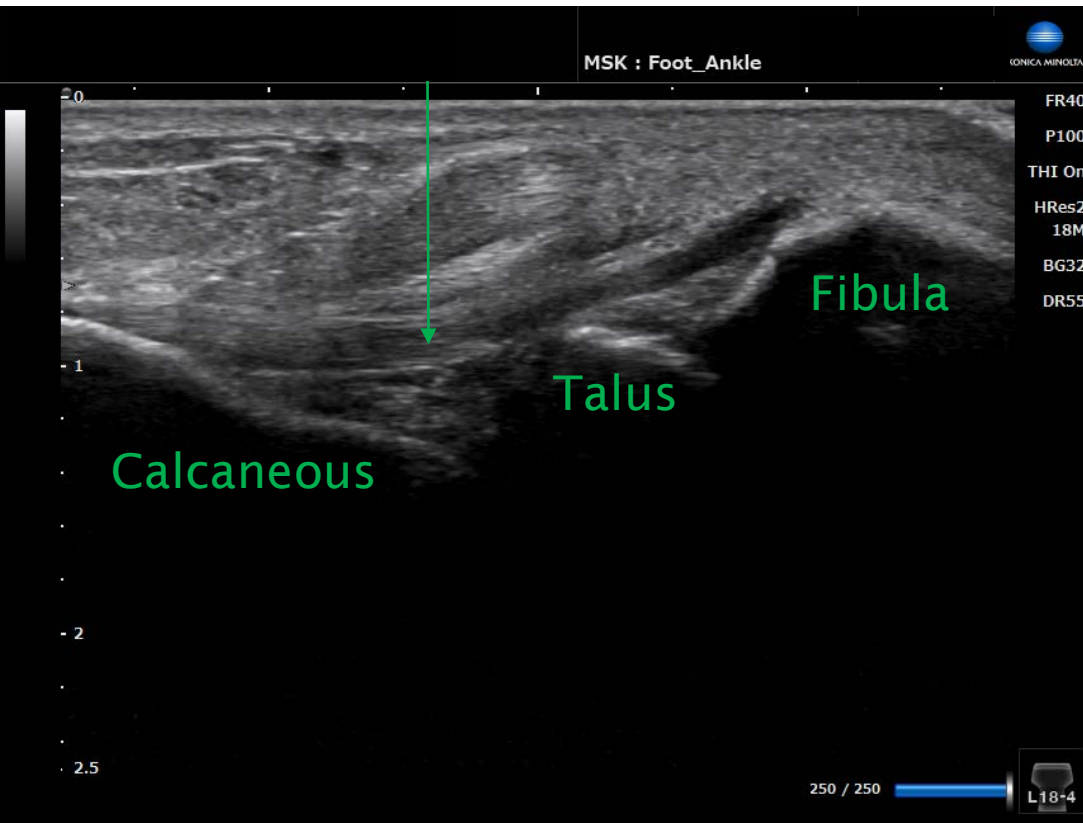






# Lateral: Calcaneofibular ligament with dorsiflexion and inversion

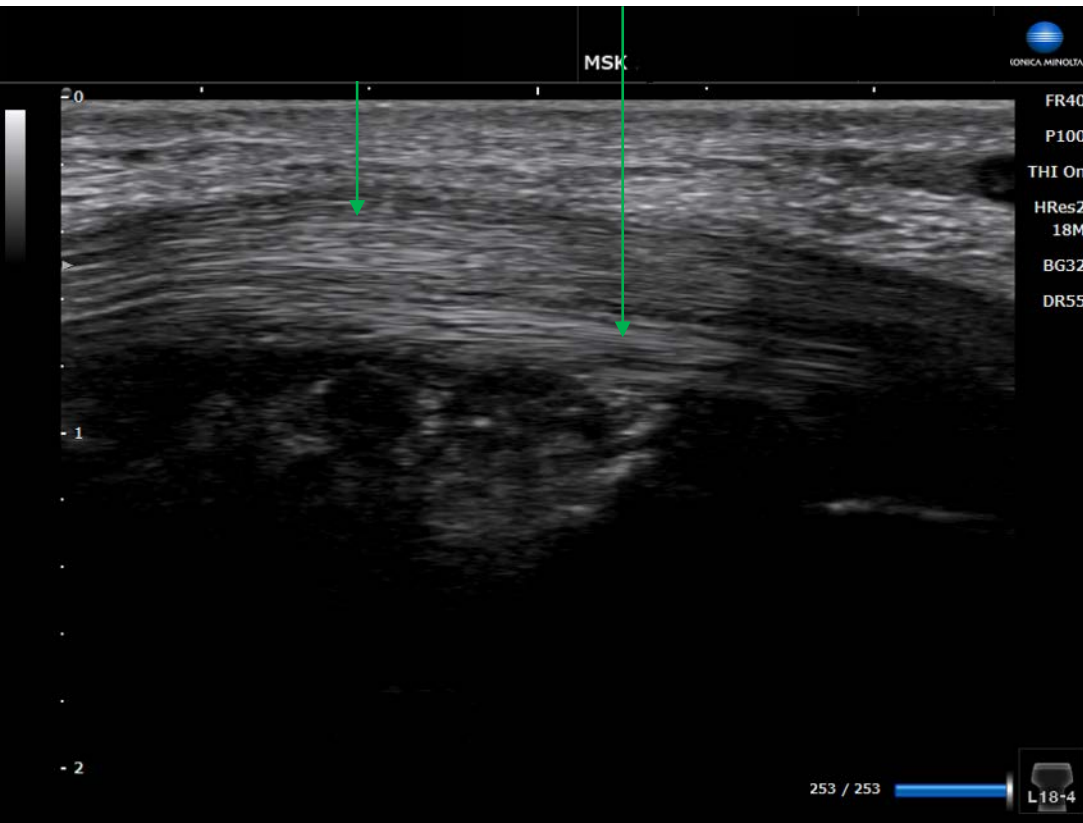
CFL





# Lateral: Peroneal tendons (longus and brevis)

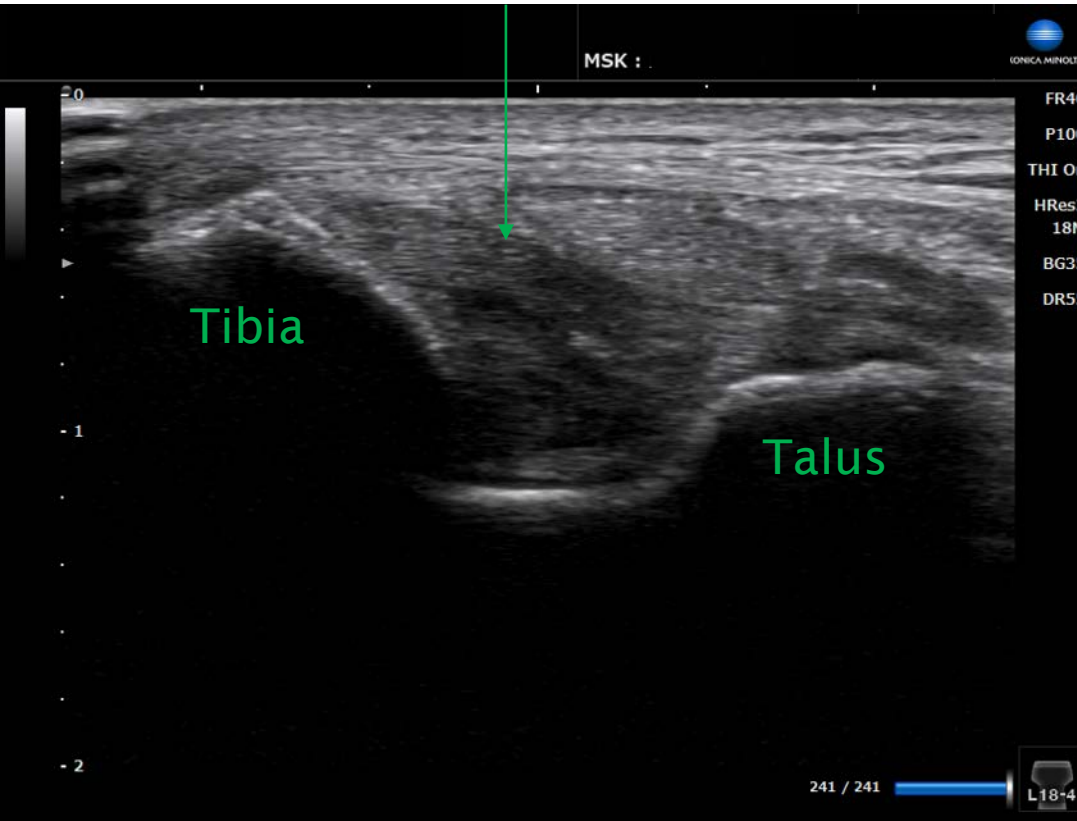
Peroneal Longus      Peroneal Brevis





# Medial: Tibionavicular part (deltoid ligament)

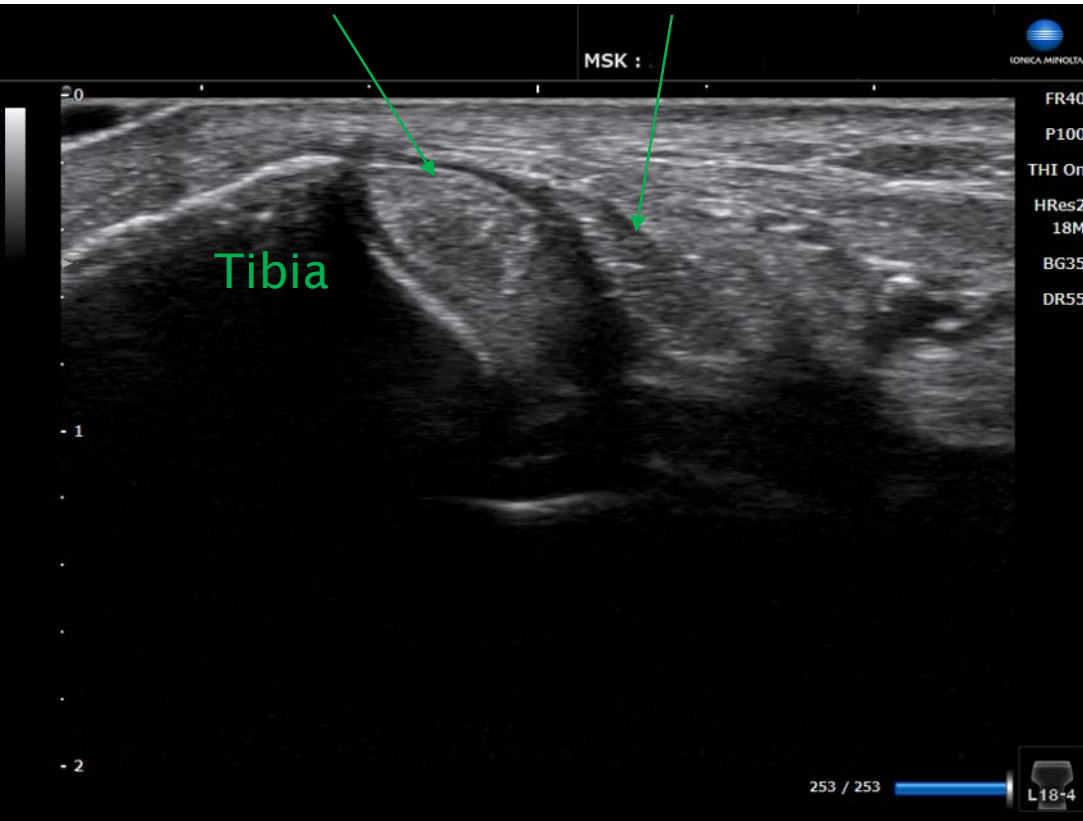
Deltoid Ligament





# Medial: Tibialis posterior tendon

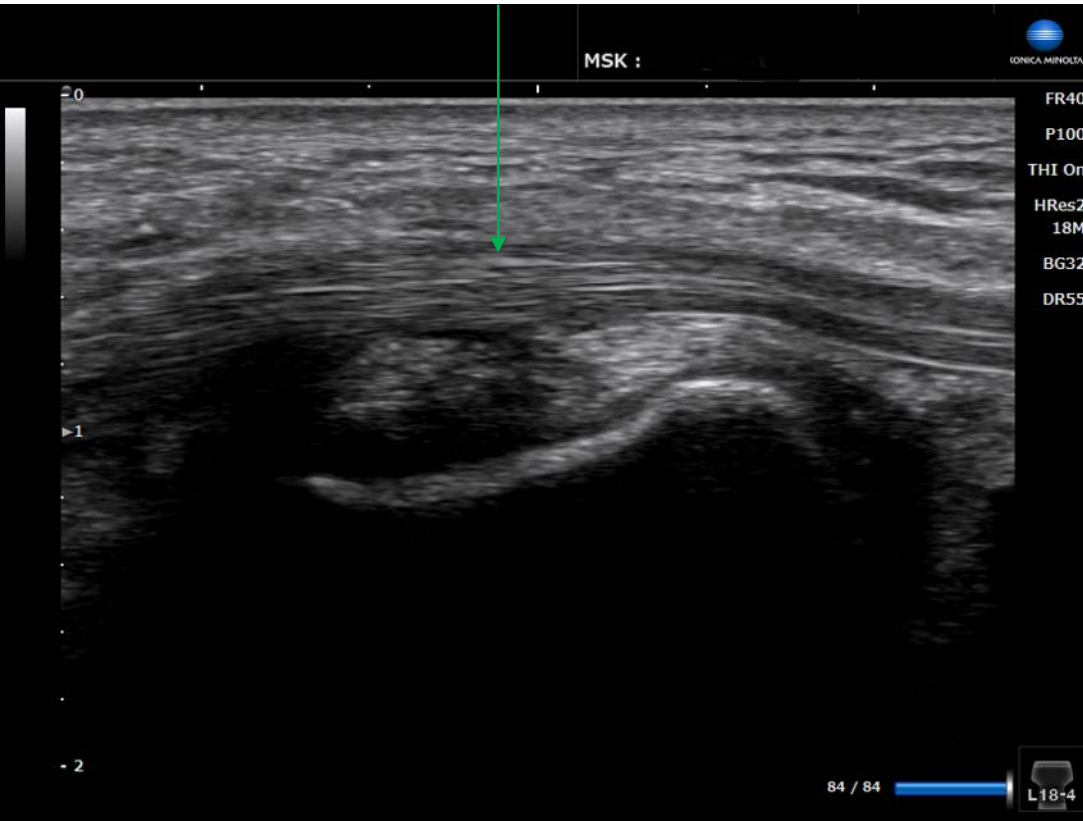
Tibialis Posterior      Flexor Digitorum





# Medial: Flexor digitorum longus

Flexor Digitorum

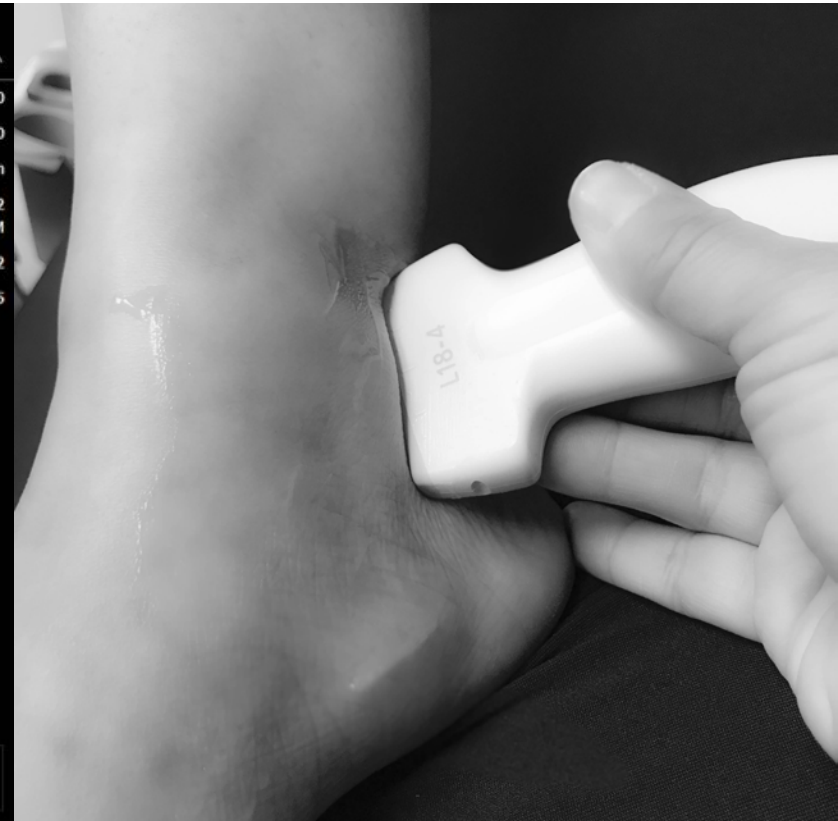






# Medial: Flexor hallucis and medial plantar nerve

Medial Plantar Nerve      Flexor Hallucis

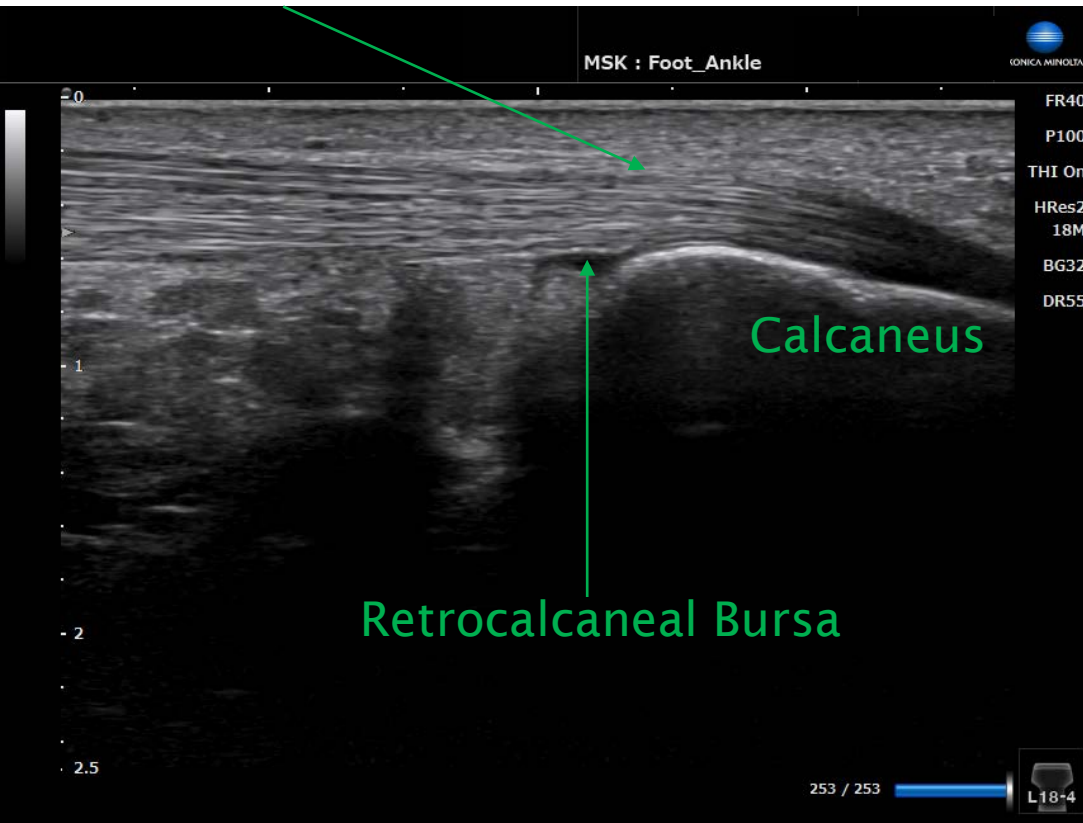






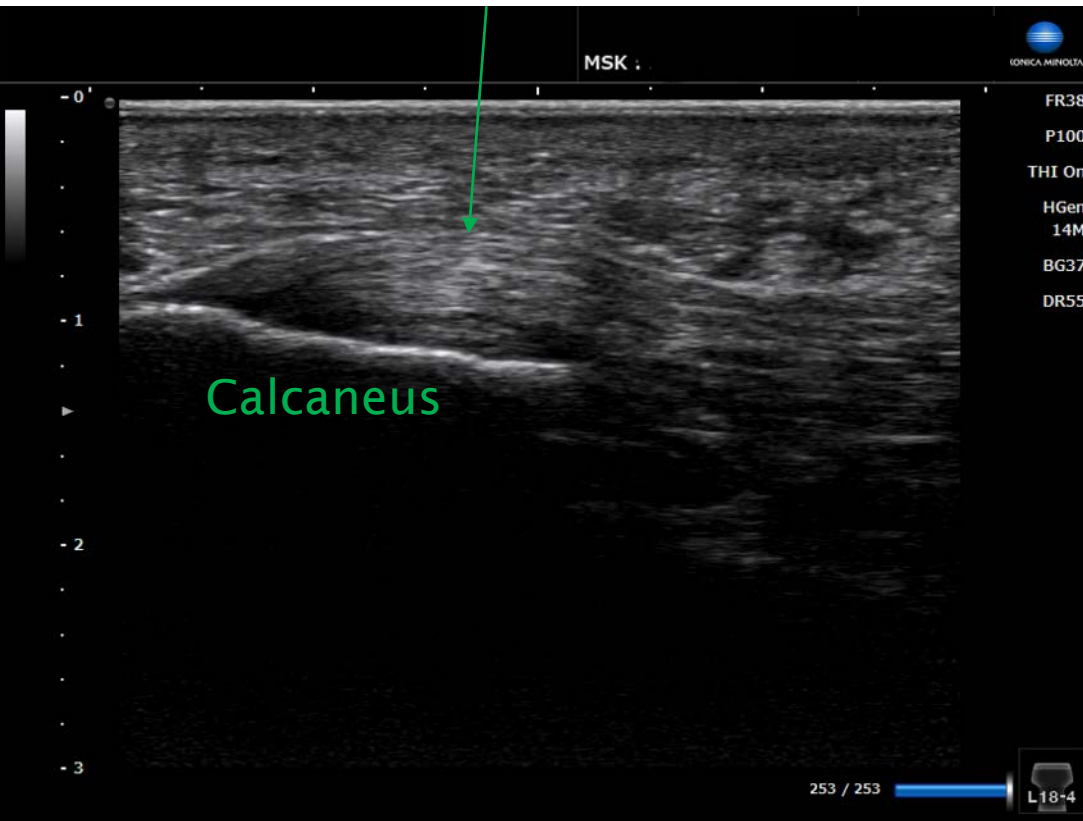
# Posterior: Achilles tendon, retrocalcaneal and subcutaneous bursa

Subcutaneous Bursa    Achilles Tendon



# Plantar: Plantar aponeurosis (plantar fascia)

Plantar Fascia



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