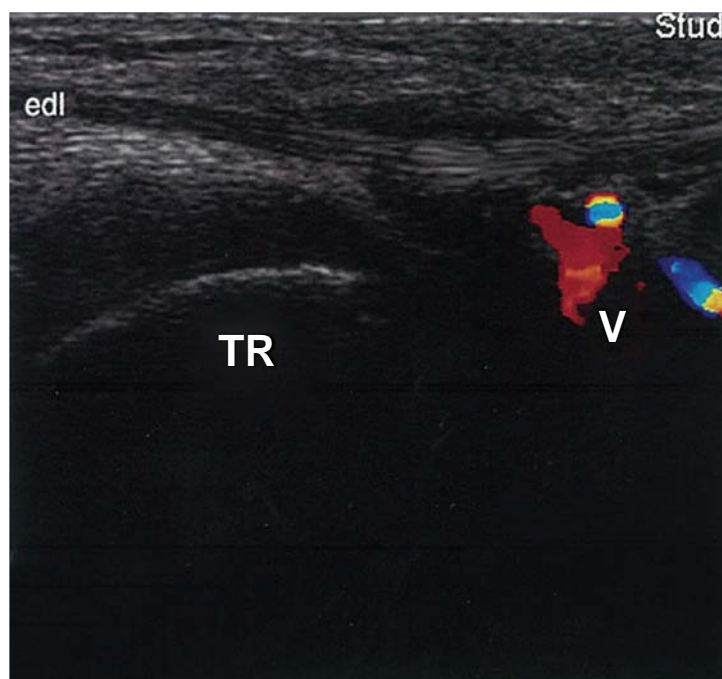


# Ankle



## RA

### Right ankle joint

#### Anterior longitudinal scan

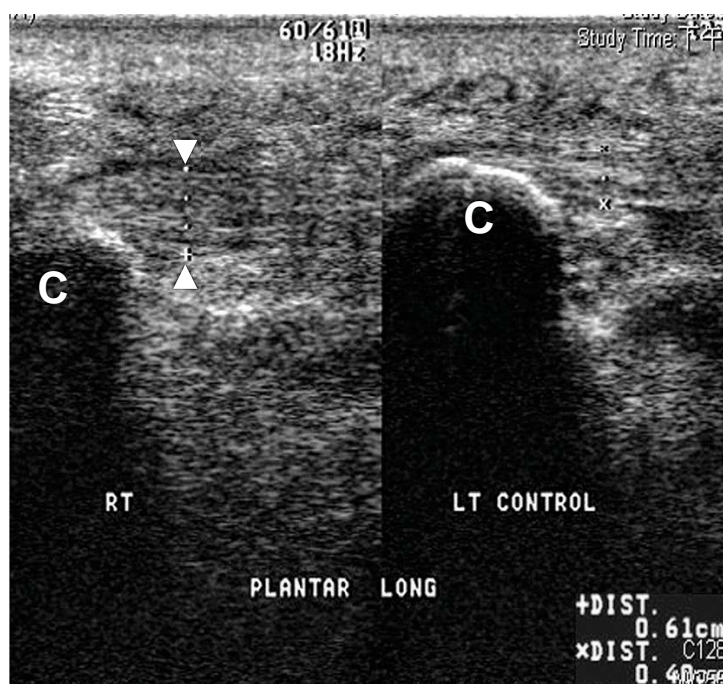
Proliferative synovitis.  
Hypoechoic fluid surrounds extensor digitorum longus tendon. Increase vascularity and synovium proliferation.  
edl = extensor digitorum longus

TR = tarsal bone

V = increased vascularity

**Lin, Liang-Hung**

Grey scale US using a Logiq 5 (General Electrics) with a linear probe (12L)



## SpA

### Ankylosing Spondylitis with Plantar Fasciitis

#### Longitudinal scan of plantar fascial

Thickening of plantar fascia (between arrowhead)

C = calcaneus

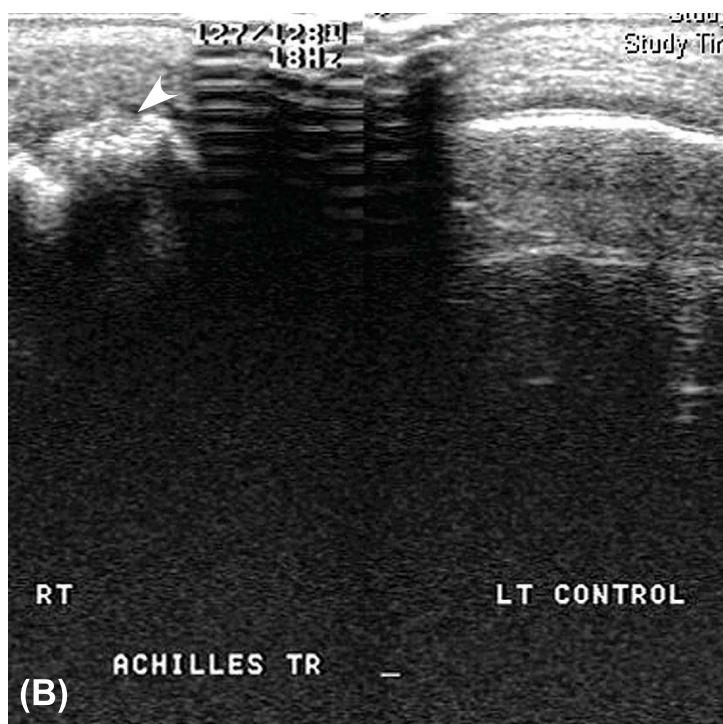
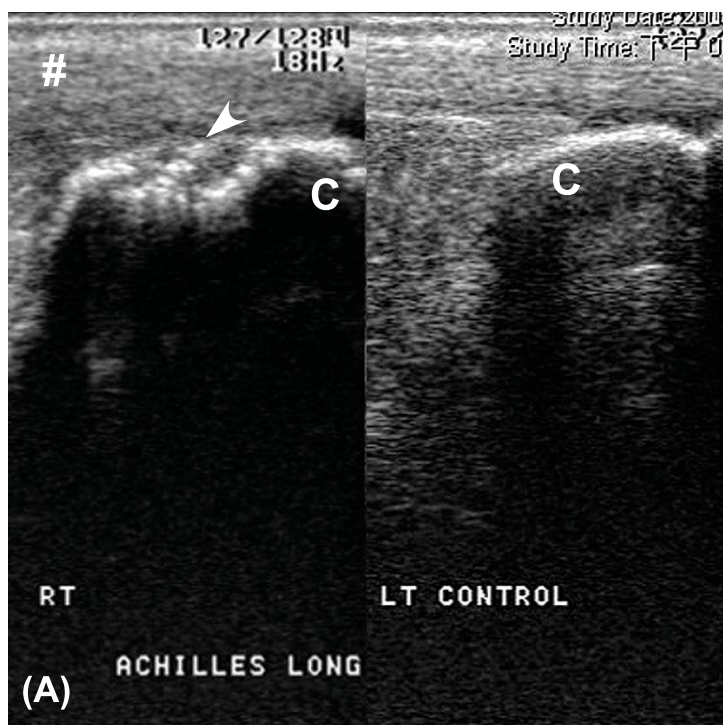
RT = abnormal

LT = normal

**Tsai, Wen-Pin**

Aloka 5500

# Ankle



Tsai, Wen-Pin

Aloka 5500

SpA

**Ankylosing  
Spondylitis, Calcaneal  
Enthesopathy**

**Longitudinal (A) and  
transverse (B) scan of Heel**

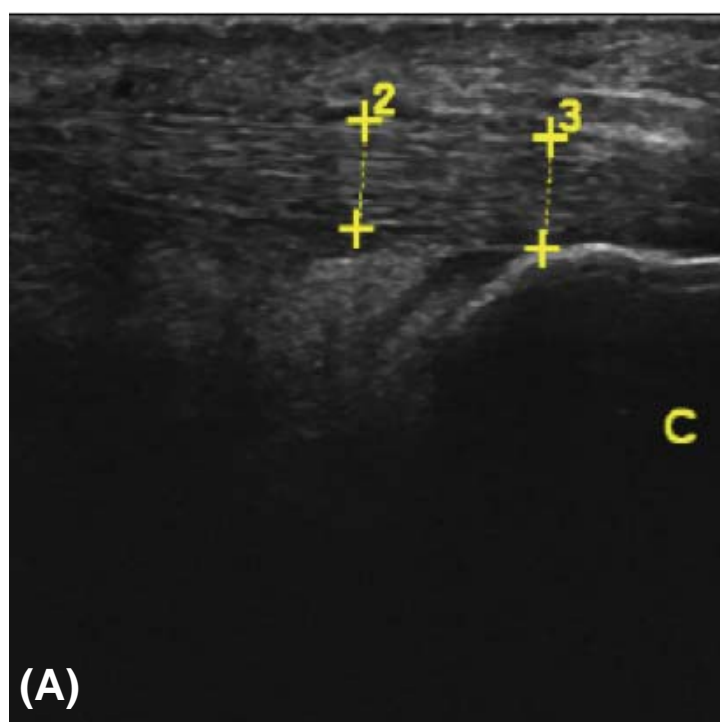
Calcaneal bony  
erosion (arrow head) and  
hypoechoic thickening of  
right Achilles tendon (#);

C = Calcaneus

RT = abnormal

LT = normal

# Ankle

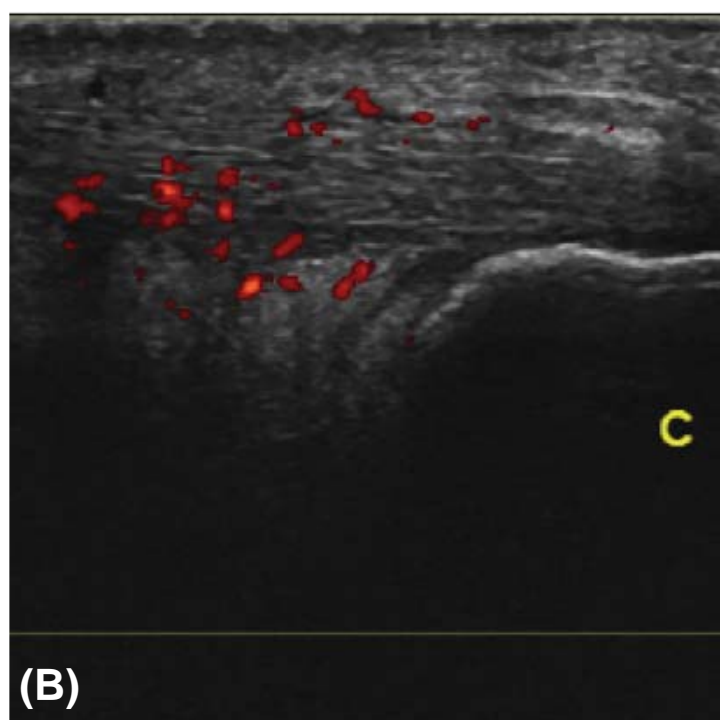


## SpA

### Achilles enthesitis

#### Longitudinal scan of Achilles tendon

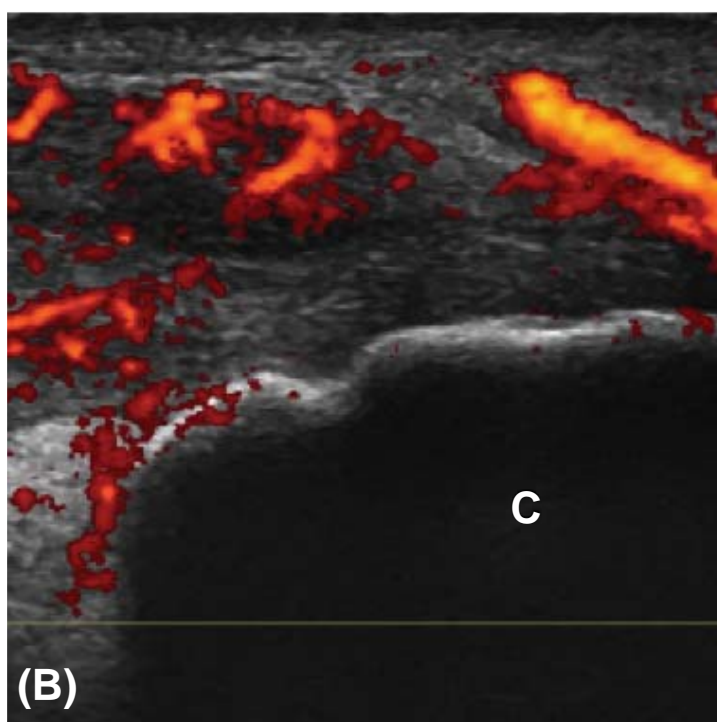
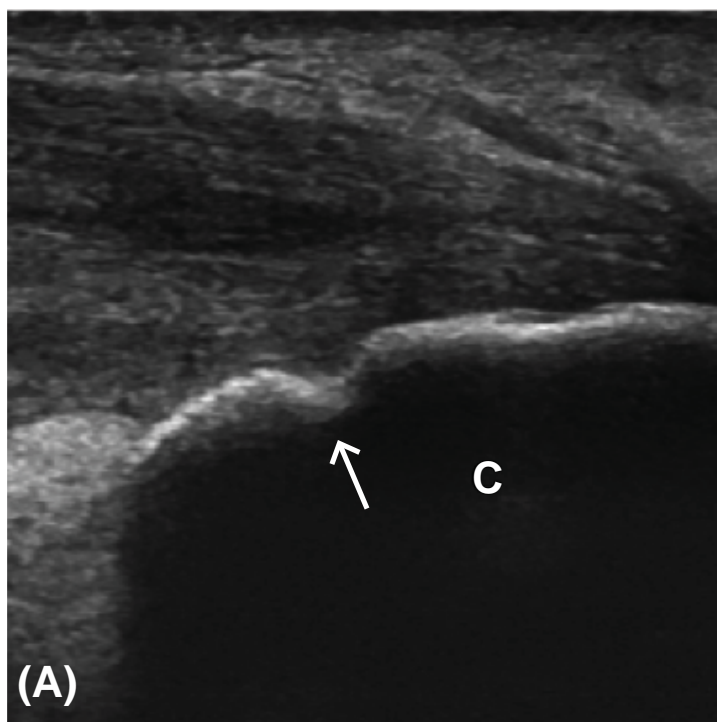
Achilles enthesitis. (A) The insertion of Achilles tendon had swelling (at mark 3) and decreased echogenicity on longitudinal gray scale US, and (B) increased vascularity on power Doppler US. C: calcaneus.



Lai, Kuo-Lung

Gray scale and power Doppler US using a GE E9 (General Electrics) with a linear probe (15MHz)

# Ankle



## SpA

### Achilles enthesitis

#### Longitudinal scan of Achilles tendon

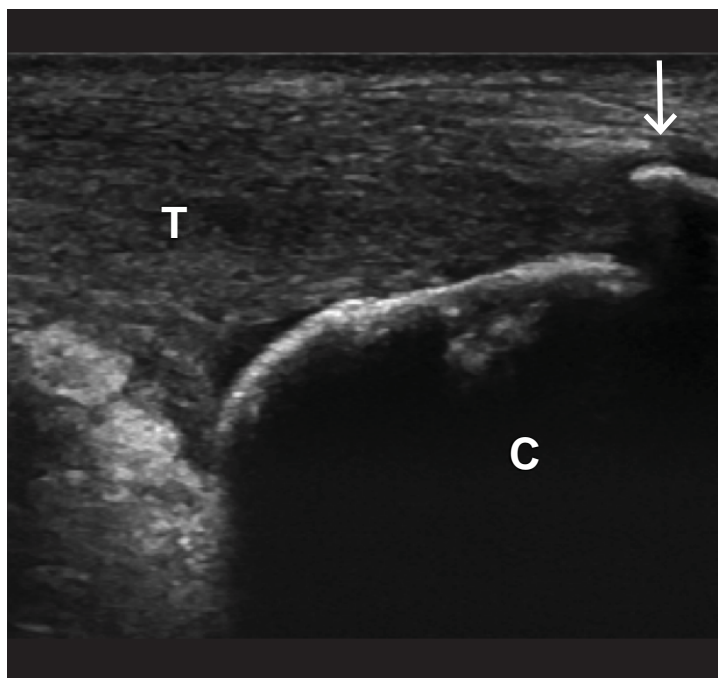
Achilles enthesitis. (A) The insertion of Achilles tendon had swelling and decreased echogenicity on longitudinal gray scale US, and (B) increased vascularity on power Doppler US. A calcaneal bone erosion (arrow) was noted. C: calcaneus.

Lai, Kuo-Lung

Gray scale and power Doppler US using a GE E9 (General Electronics) with a linear probe (15MHz)



# Ankle



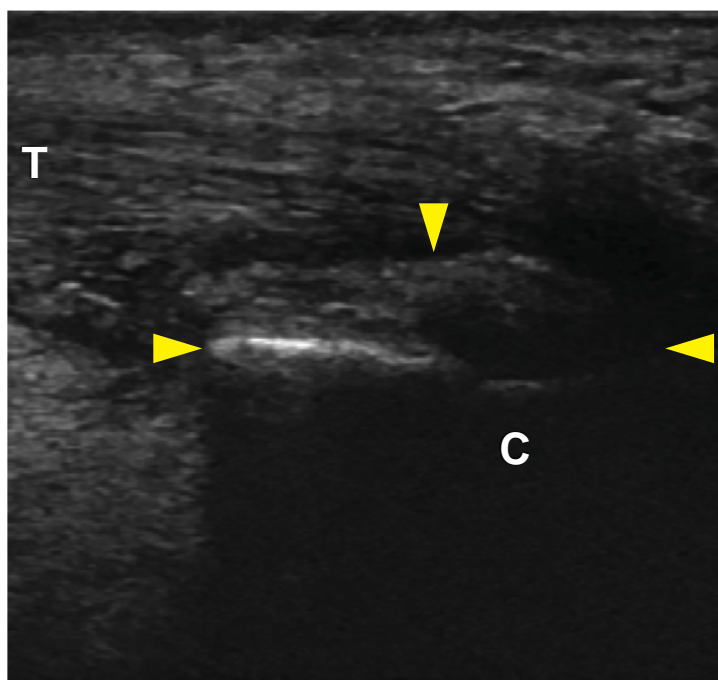
## SpA

### **Achilles enthesopathy** Longitudinal scan of Achilles tendon

Achilles enthesopathy. Longitudinal US scan showed a enthesophyte (arrow) with acoustic shadow. The insertion of Achilles tendon had swelling and decreased echogenicity. T: Achilles tendon, C: calcaneus.

**Lai, Kuo-Lung**

Gray scale US using a GE E9 (General Electrics) with a linear probe (15MHz)



## Crystal -related

### **Gouty Achilles tendinitis** Longitudinal scan of Achilles tendon

Achilles gouty tendinitis mimic enthesitis. Longitudinal US scan showed tophi (arrowheads) with hypoechoic rim at the insertion of Achilles tendon. The tendon was swollen. T: Achilles tendon, C: calcaneus.

**Lai, Kuo-Lung**

Gray scale US using a GE E9 (General Electrics) with a linear probe (15MHz)