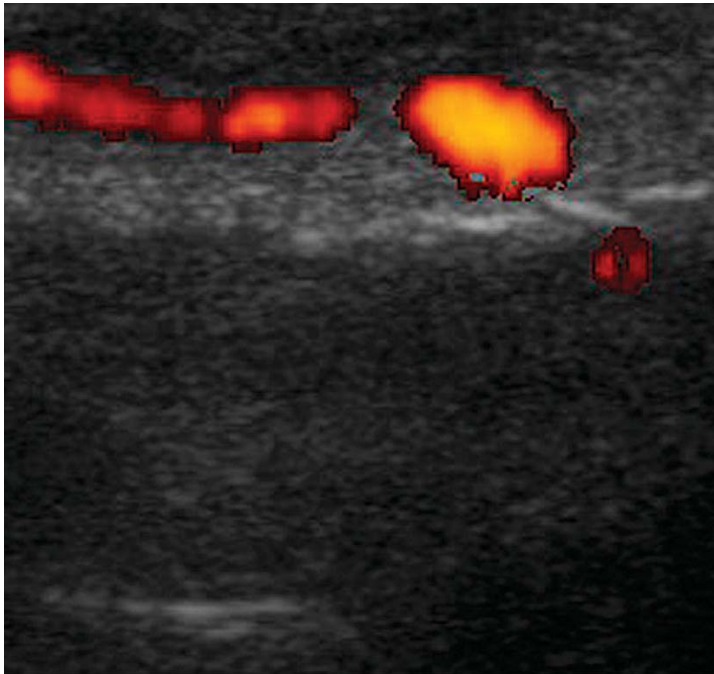


# Foot



**Chen, Ying-Chou**

Power Doppler Ultrasonography using CGM OPUS 5000



**Chen, Ying-Chou**

Power Doppler Ultrasonography using CGM OPUS 5000

## Other Diseases

### **Dermatomyositis**

**Longitudinal scan of 1<sup>st</sup> metatarsalphalangeal joint**

Confluent vessel Powder Doppler signals at right metatarsalphalangeal joint

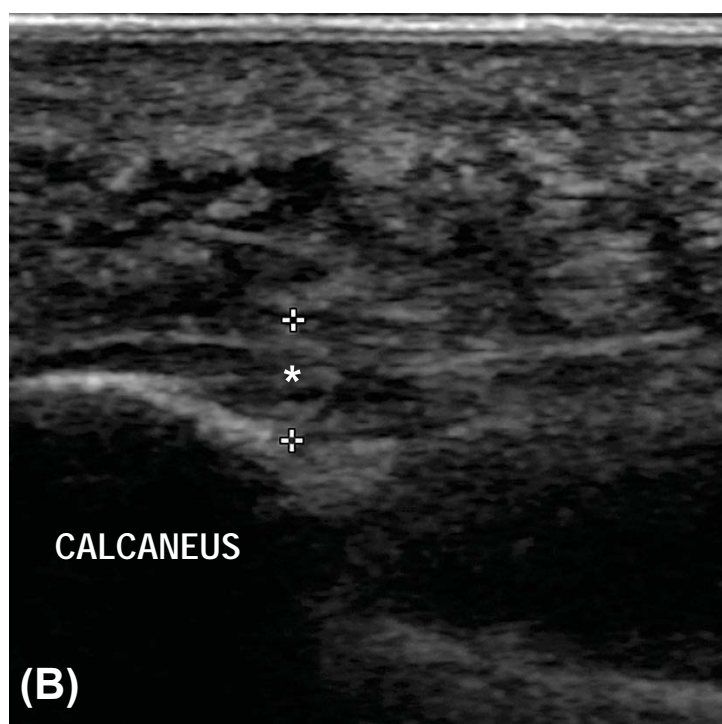
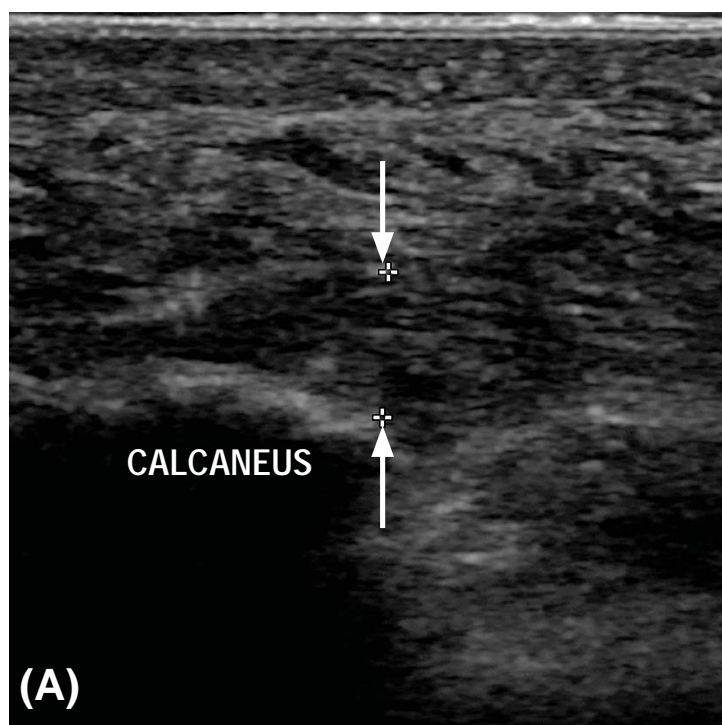
## Other Diseases

### **Dermatomyositis**

**Longitudinal scan of right dorsal foot using 7.5 MHz transducer**

Confluent vessel Powder Doppler signals at right metatarsalphalangeal joint

# Foot



## Other Diseases

### Plantar Fasciitis

**Plantar longitudinal scan over left plantar facial (A) and right plantar heel (B).**

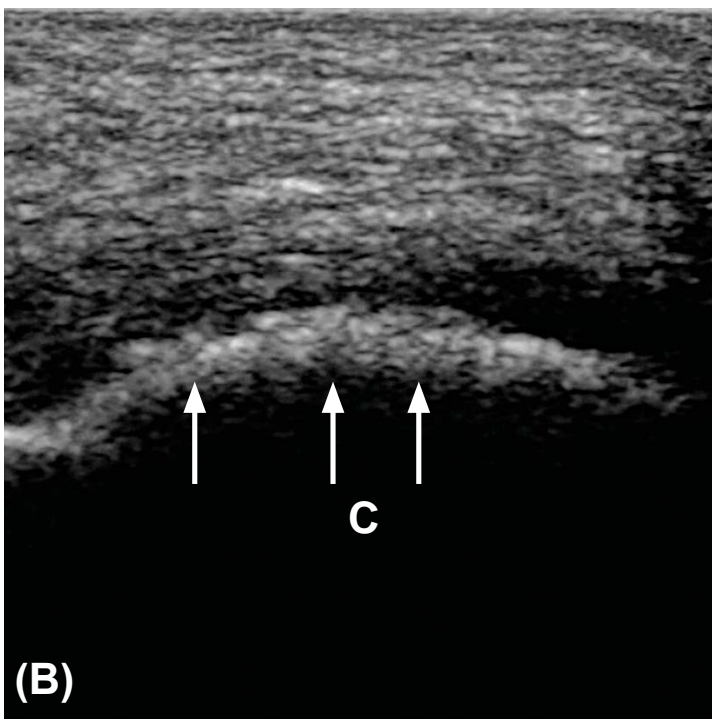
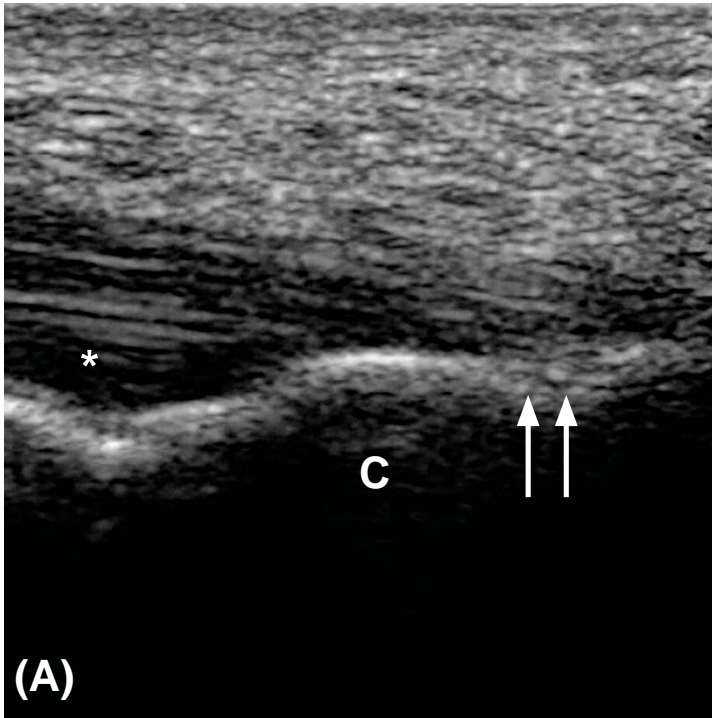
Swelling of left plantar fascia (arrows, 0.604cm) near calcaneus insertion site (arrows) was demonstrated with focal probe pressure tenderness. (A)

The asymptomatic contralateral plantar fascia (\*) was thinner than the symptomatic one. (0.419 cm) (B).

**Chen, Hsin-Hua**

Grey scale US using a Philip iU22 with a volumetric probe (4D, 5-13MHz)

# Foot



## Other Diseases

### Seronegative Arthropathy and Enthesopathy(SAE)

**Dorsal longitudinal scan (A) and transverse scan of heel (B).**

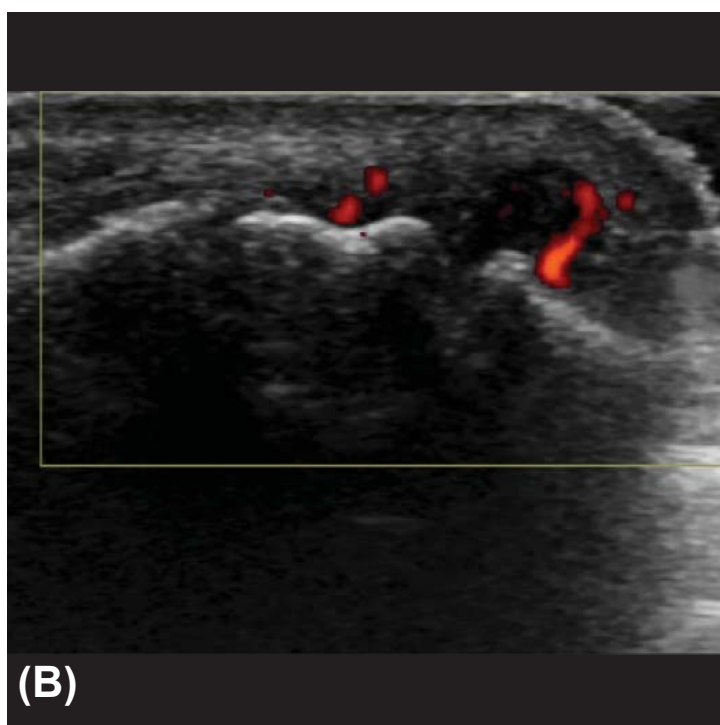
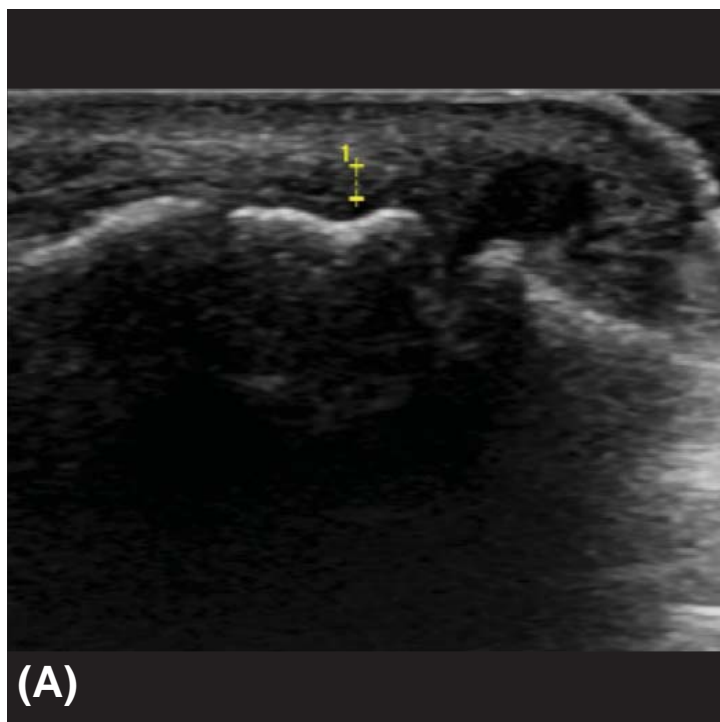
Note a focal bony irregularity on the distal end of achilles tendon (arrows) with longitudinal (A) and transverse (B) scans, and another focal hypoechoic region (\*) with a mild focal bony erosion beneath it, which might be related to tendinopathy.

C = calcaneus

**Chen, Hsin-Hua**

Grey scale US using a Philip iU22 with a linear probe (7-15 MHz)

# Foot



## Other Diseases

### Psoriatic arthritis

#### Longitudinal scan of toe DIP joint

Psoriatic arthritis and enthesitis. (A) Longitudinal US scan of right 4th toe DIP joint showed thickening of the extensor digitorum tendon (mark 1) and synovial hypertrophy with joint capsule distension (B) On power Doppler US, presence of vascularity at the synovium and the extensor digitorum tendon. PP: proximal phalanx, MP: middle phalanx, DP: distal phalanx.

**Lai, Kuo-Lung**

Gray scale and power Doppler US using a GE E9 (General Electrics) with a linear probe (18MHz)