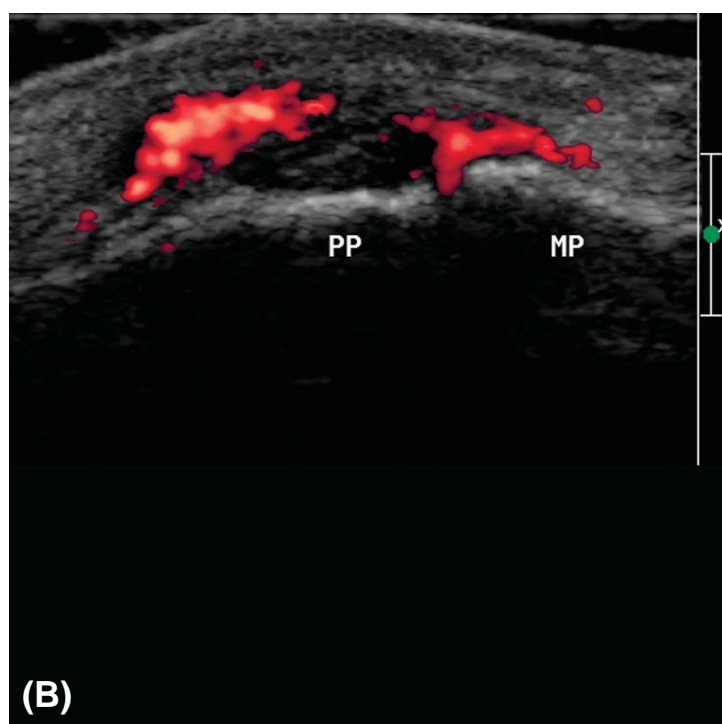
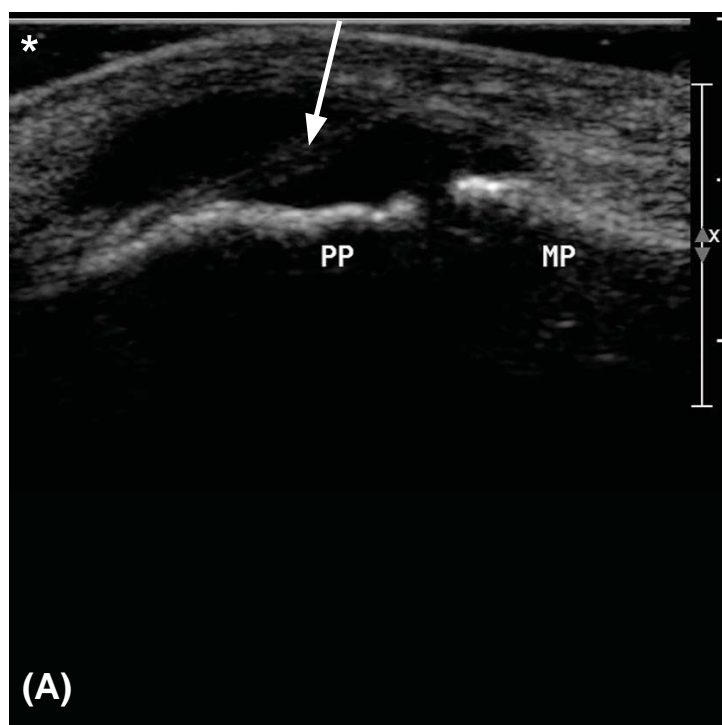


Hand



RA

Dorsal longitudinal scan (1 o'clock position) of PIP joint (A) and Power Doppler image (B).

(A) Marked widening of PIP joint with synovial membrane proliferation (arrow).

(B) Power Doppler scan reveals confluent Doppler signals that occupy about half of the joint cavity.

PP = proximal phalanx

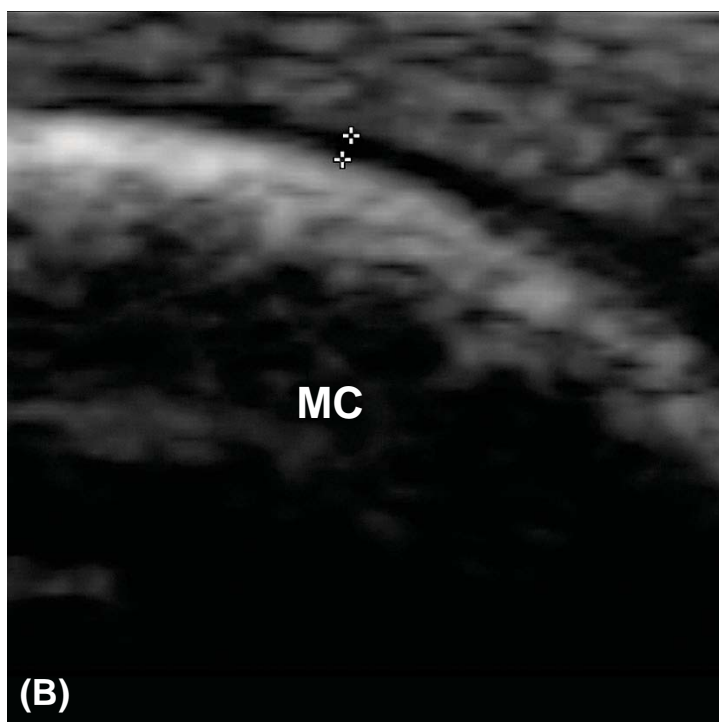
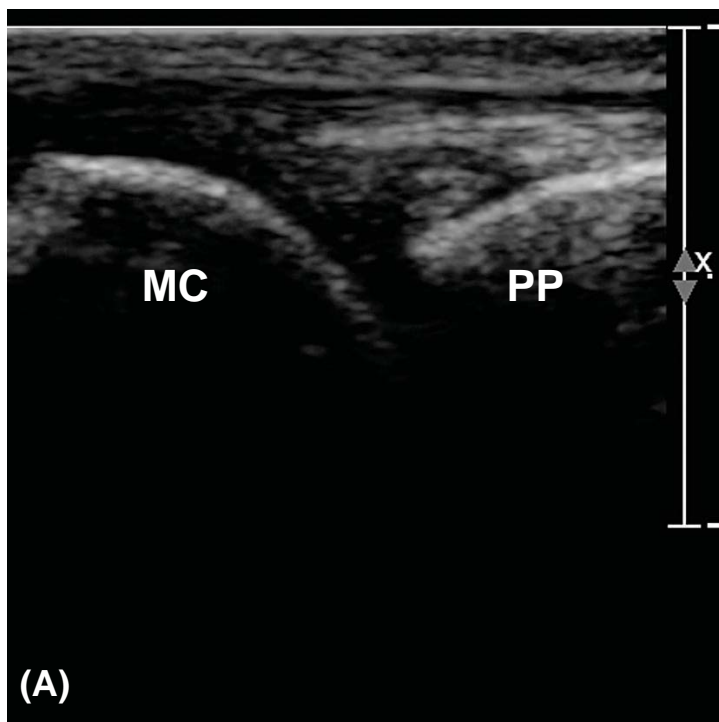
MP = middle phalanx

* = the anechoic jelly between the probe and skin of patient.

Chen, Hsin-Hua

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

Hand



RA

MCP joint

Dorsal longitudinal scan (A) and amplified image for measuring cartilage thickness (0.016cm) on maximal flexion (B).

Widening of 2nd MCP joint capsule with mild synovial membrane proliferation and minimal effusion.

Measurement of cartilage thickness was performed with full-flexion of MCP joint over metacarpal bone. The normal range in women is more than 0.03cm.

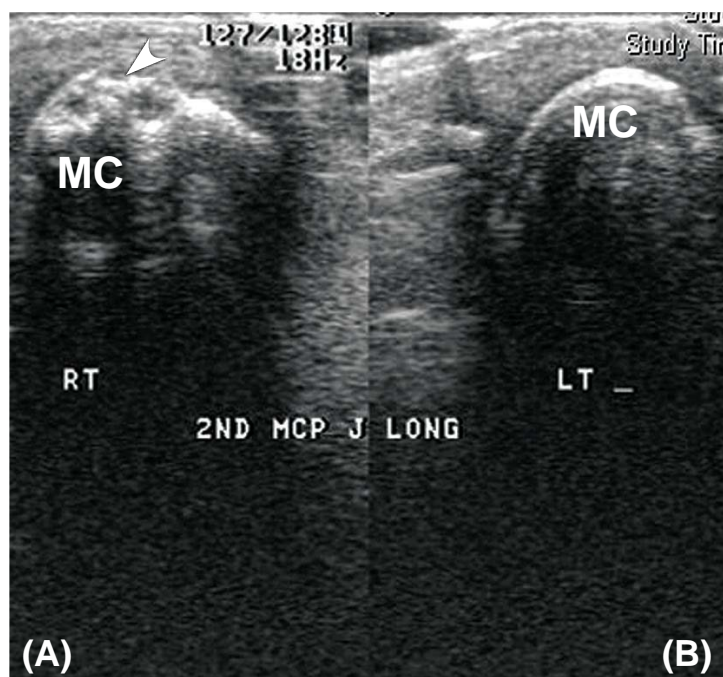
MC = metacarpal

PP = proximal phalanx

Chen, Hsin-Hua

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

Hand



Tsai, Wen-Pin
Aloka 5500

RA

Right 2nd MCP joint

Dorsal longitudinal scan

Bony erosion (arrow head)
change over right 2nd
metacarpal head (A) RT :
abnormal, (B) LT : normal
MC = metacarpal