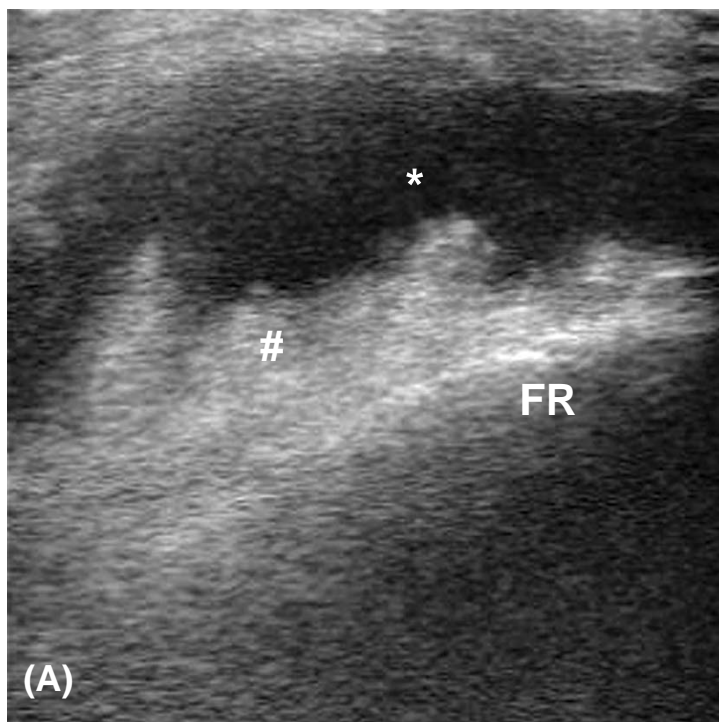


Knee



Crystal-related

Gouty Arthritis

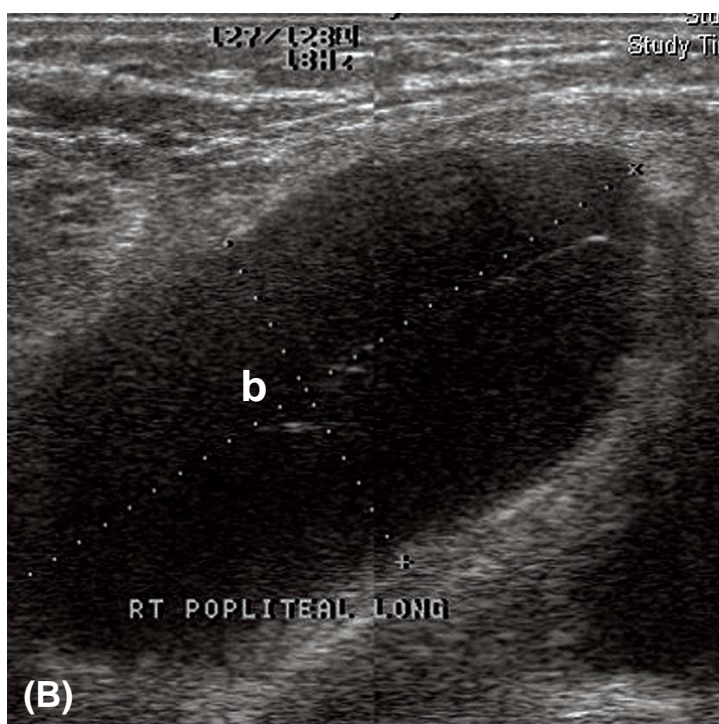
Right knee(A),
popliteal fossa(B)

Longitudinal scan

Marked synovial proliferation
(#) within distended
suprapatella pouch; Baker's
cyst(b) formation

FR = femur

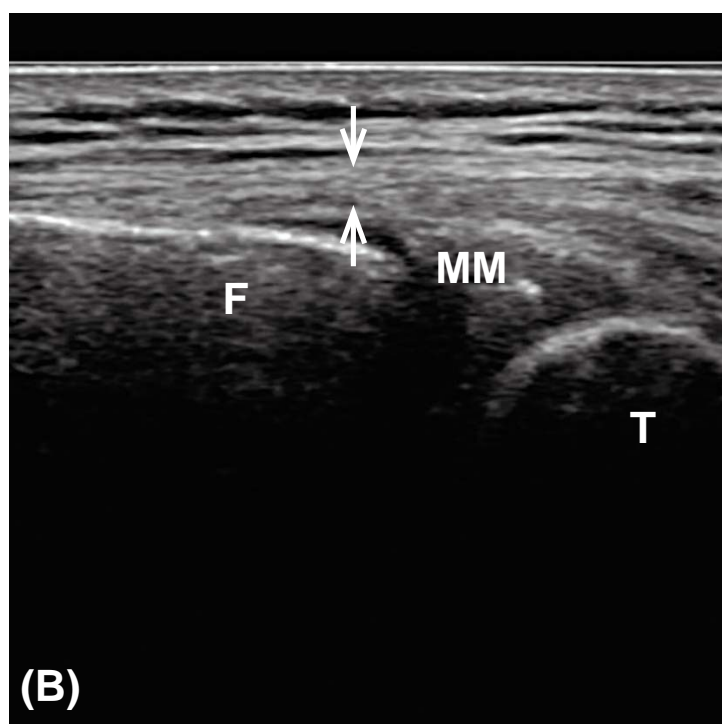
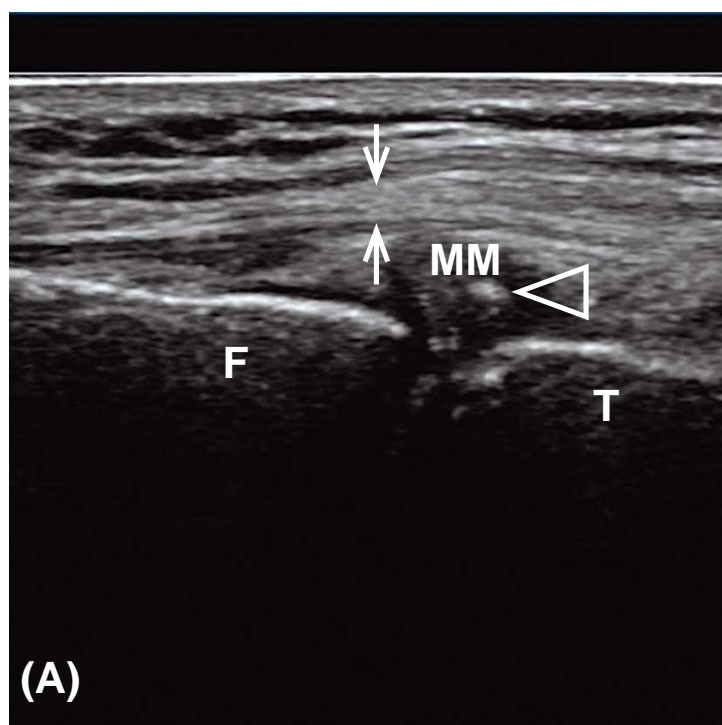
* = effusion



Tsai, Wen-Pin

Aloka 5500

Knee



Crystal-related Chondrocalcinosis

Longitudinal scan of medial aspect of extended (A) and mild-flexed tibiaferoral joint (B).

(A) Note a tiny hyperechoic lesion (open arrow-head) without acoustic shadow within the triangular anterior horn of medial meniscus (MM).

(B) The echogenicity of medial longitudinal ligament (arrows) increased while the mildly flexed.

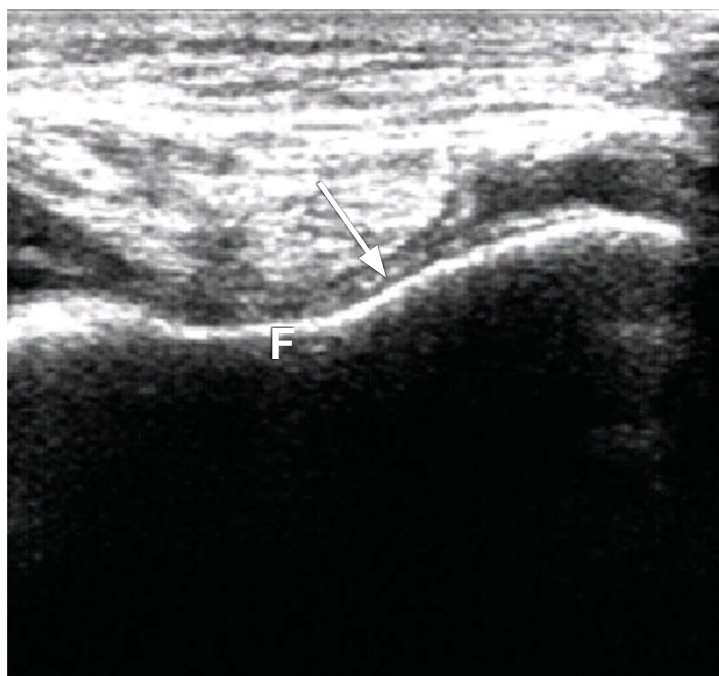
F = femur

T = tibia

Chen, Hsin-Hua

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

Knee



Chang, Chi-Ching

Grey scale US using a Taitan 180

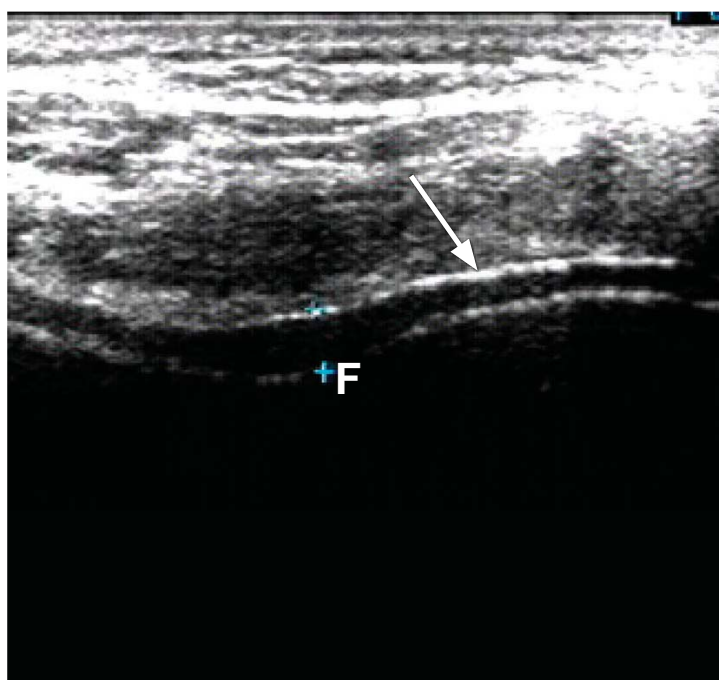
Crystal-related

CPPD

Transverse scan of suprapatella

calcium pyrophosphate crystals are layered in the centre of articular cartilage (arrow)

F = femur



Chang, Chi-Ching

Grey scale US using an Envisor (Philips, the Netherlands) with a multi-frequency linear transducer (7-12 MHz)

Crystal-related

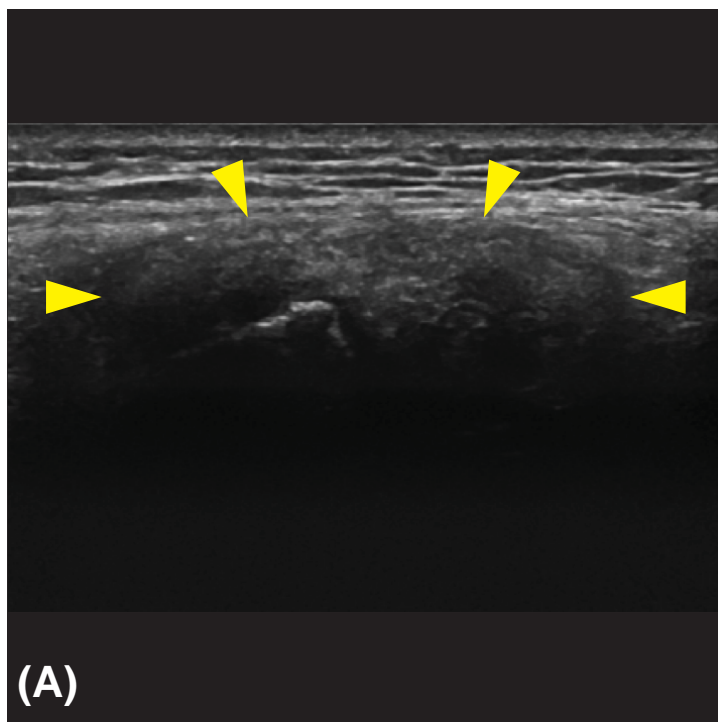
Gout

Transverse scan of suprapatella

monosodium urate crystals on the surface of articular cartilage (arrow), double contour sign

F = femur

Knee

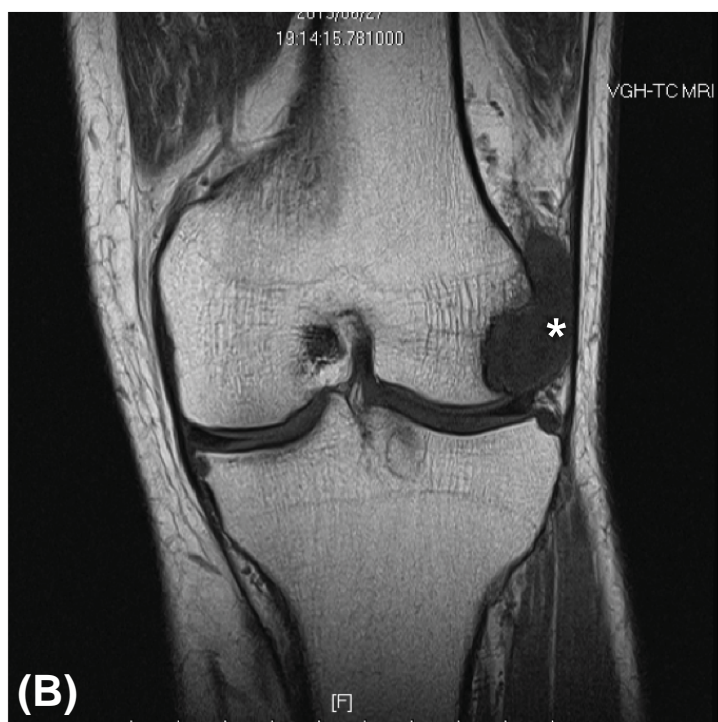


Crystal-related

Tophi

Longitudinal scan of left knee lateral side

Tophi. (A) Longitudinal US scan showed an echoic mass (arrowheads) with acoustic shadow at lateral femoral condyle (B) MRI (T1 weighted image) showed a hyposignal mass (*) with invading to lateral femoral condyle.



Lai, Kuo-Lung

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