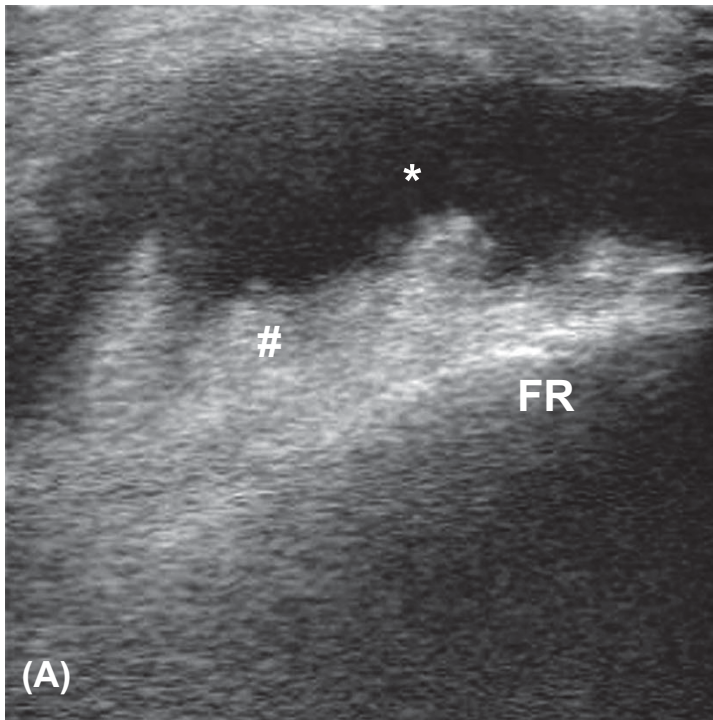


# Knee



## Crystal-related

### Gouty Arthritis

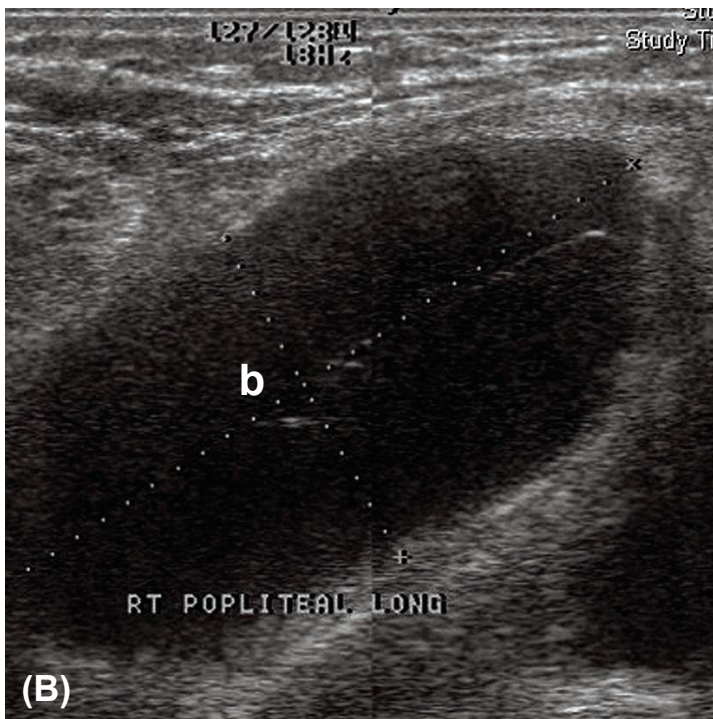
Right knee(A),  
popliteal fossa(B)

### Longitudinal scan

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

FR = femur

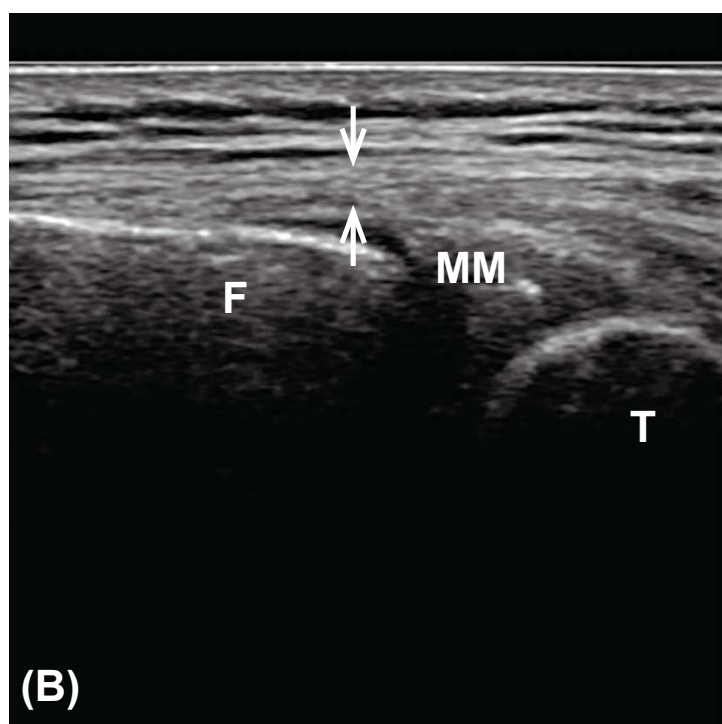
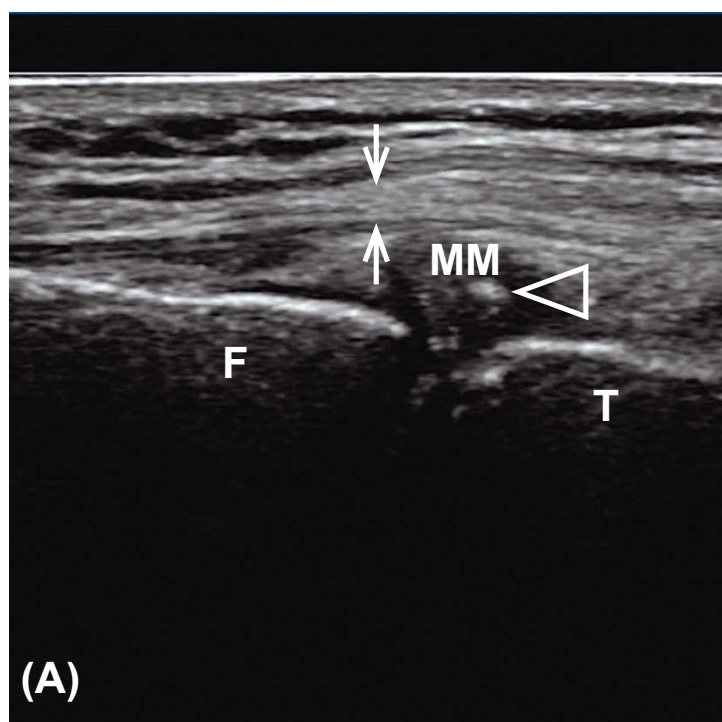
\* = effusion



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 echogenecity of medial longitudinal ligment (arrows) increased while the mildly flexed.

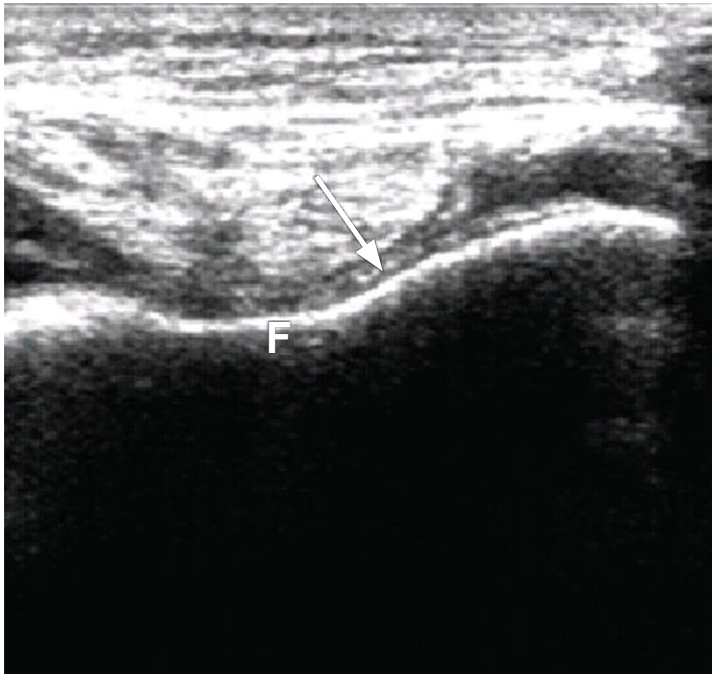
F = femur

T = tibia

**Chen, Hsin-Hua**

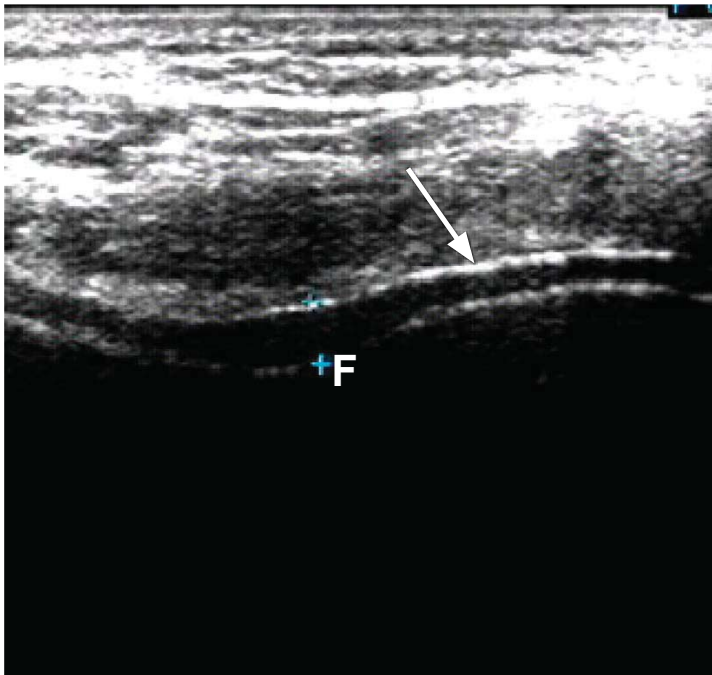
Grey scale US using a Philip iU22 with a volumetric probe (4D, 5-13MHz)

# Knee



**Chang, Chi-Ching**

Grey scale US using a Taitan 180



**Chang, Chi-Ching**

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

## Crystal-related CPPD

### Transverse scan of suprapatella

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

F = femur

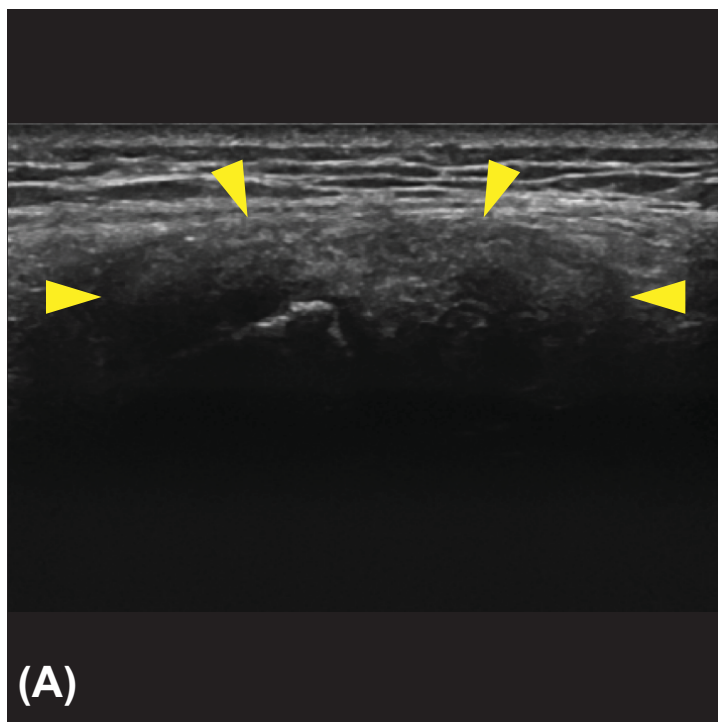
## Crystal-related Gout

### Transverse scan of suprapatella

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

F = femur

# Knee

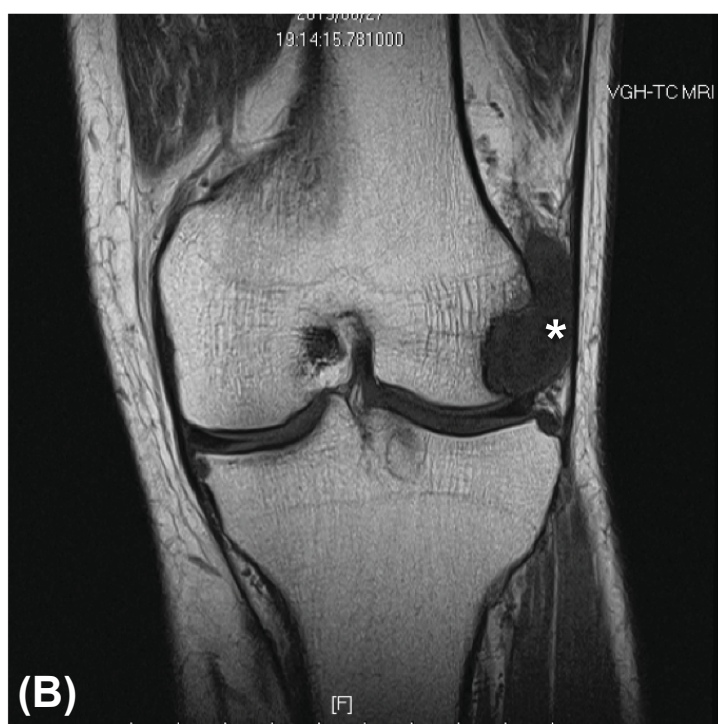


## Crystal-related

### 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)