

Knee



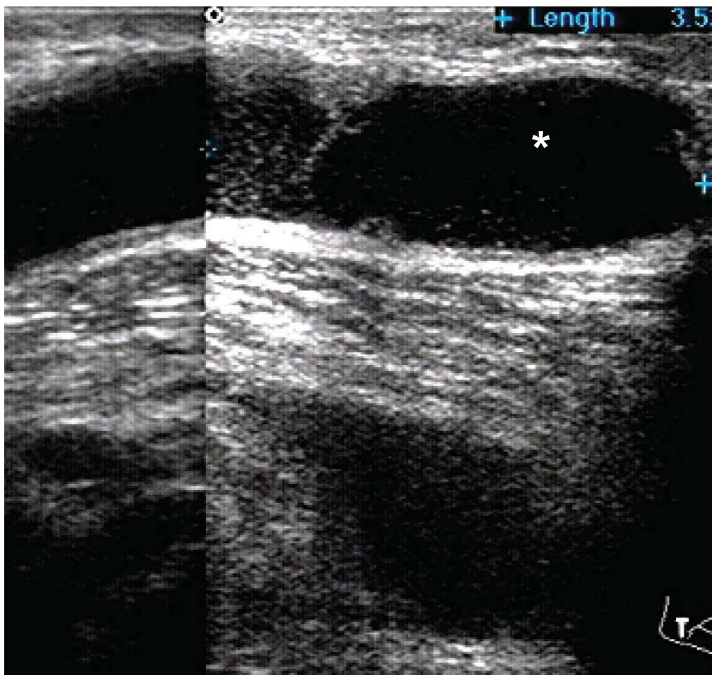
Chang, Chi-Ching

Grey scale US using a Taitan 180

OA

Longitudinal scan of popliteal fossa

Baker's cyst appears as a hypoechoic area (*), with hyperechoic spurs (arrow)



Chang, Chi-Ching

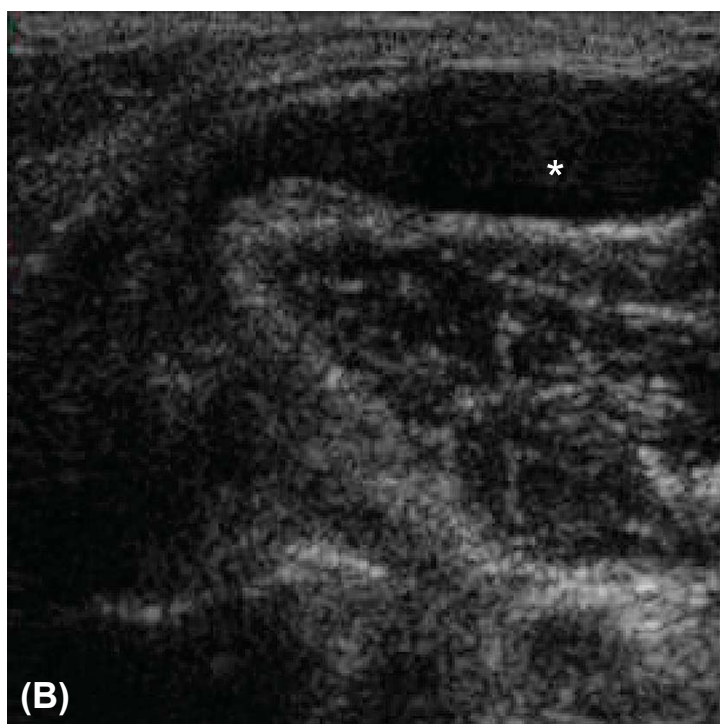
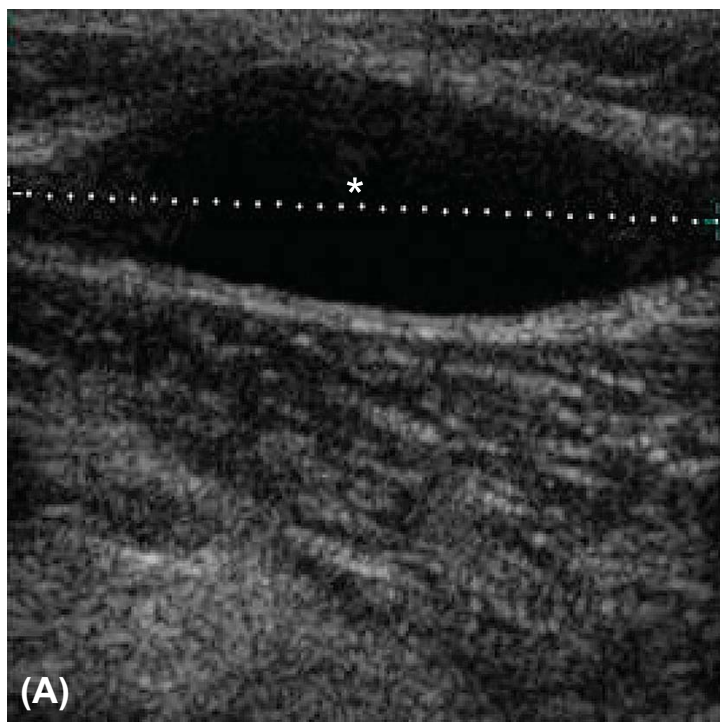
Grey scale US using an Envisor (Philips, the Netherlands) with a multi-frequency linear transducer (7~12 MHz)

OA

Longitudinal scan of popliteal fossa

Baker's cyst appears as a hypoechoic area (*)

Knee



OA

Baker's Cyst

(A) Longitudinal scan of popliteal fossa

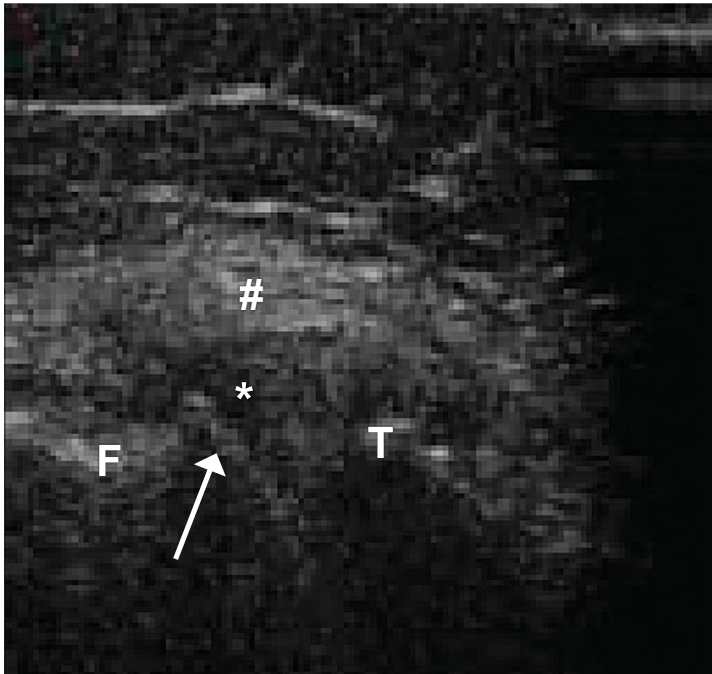
(B) Transverse scan of popliteal fossa

Baker's cyst appears as a hypoechoic area (*)

Chang, Chi-Ching

Grey scale US using a Taitan 180

Knee



OA

Longitudinal scan of medial knee

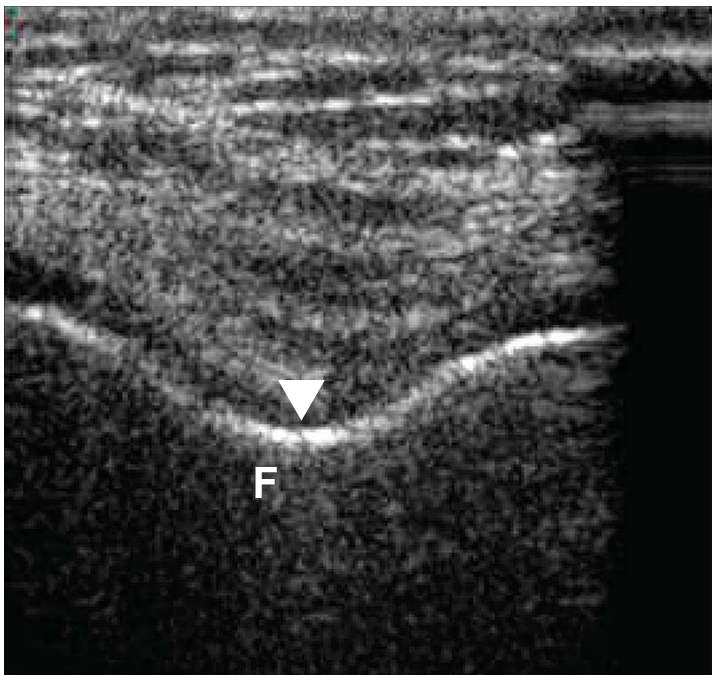
Protrusion of the anterior horn of the medial meniscus(*) with distension of the MCL(#). Osteophyte (arrow)

F = femur

T = Tibia

Chang, Chi-Ching

Grey scale US using a Taitan 180



OA

Transverse scan of suprapatella

Decreased thickness of cartilage (arrow head)

F = femur

Chang, Chi-Ching

Grey scale US using a Taitan 180

Knee



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Grey scale US using a Taitan 180

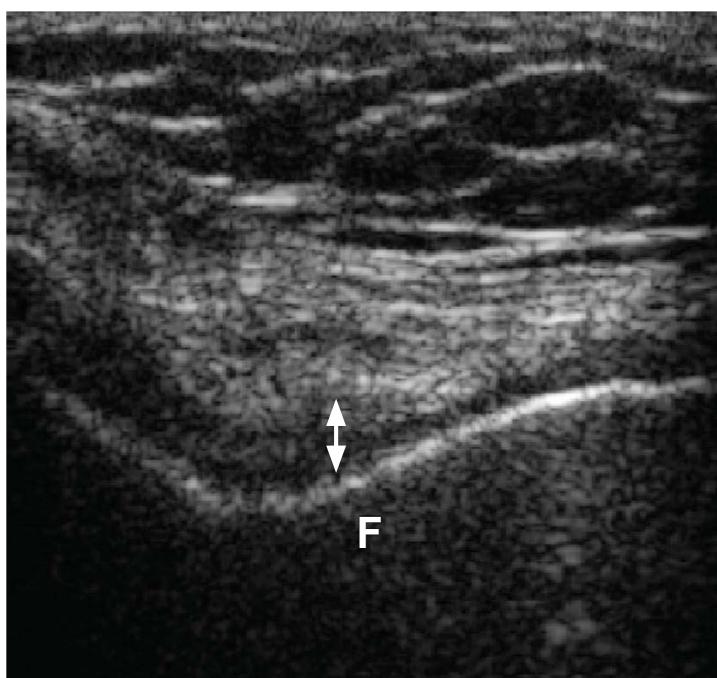
OA

Advanced Osteoarthritis

Transverse scan of suprapatella

Marked thinning of articular cartilage.

F = femur



Chang, Chi-Ching

Grey scale US using a Taitan 180

OA

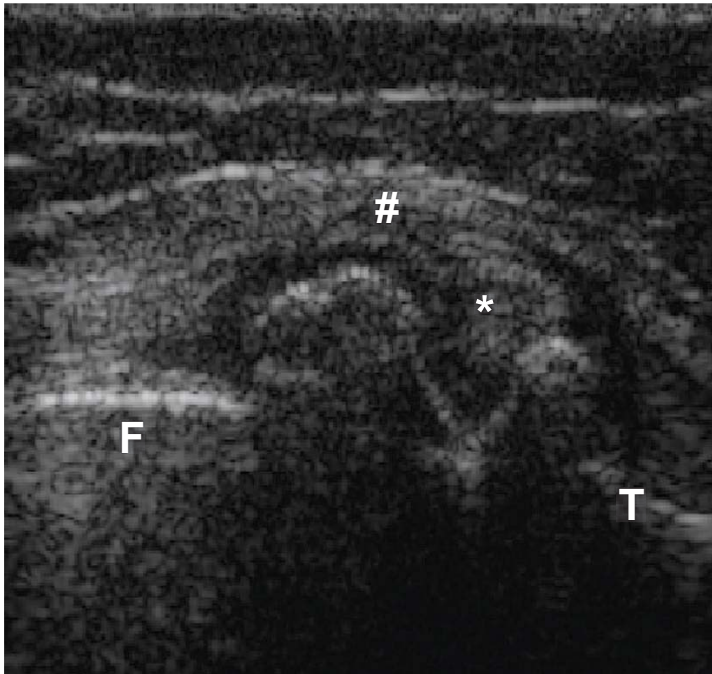
Advanced Osteoarthritis

Transverse scan of suprapatella

Decreased thickness of cartilage of knee (double arrow head)

F = femur

Knee



Chang, Chi-Ching

Grey scale US using a Taitan 180

OA

Advanced Osteoarthritis

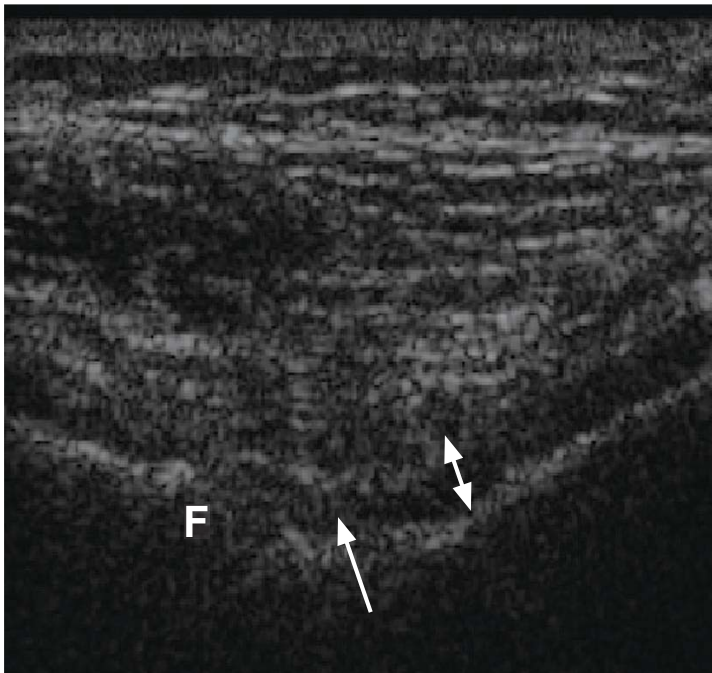
Longitudinal scan of medial knee

Protrusion of the anterior horn of the medial meniscus(*) with distension of the MCL(#).

Osteophyte (arrow)

F = femur

T = Tibia



Chang, Chi-Ching

Grey scale US using a Taitan 180

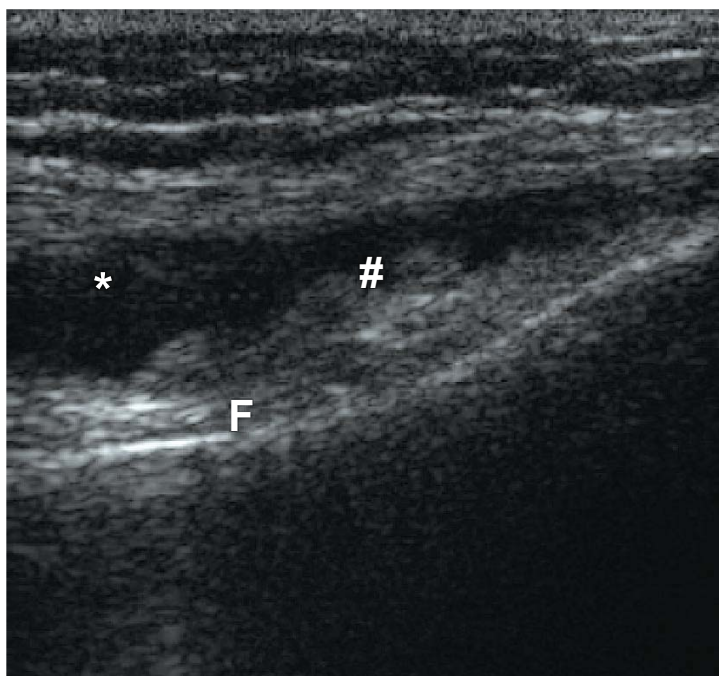
OA

Transverse scan of suprapatella

Decreased thickness of cartilage(double arrow head)
disruption of bone cortex (arrow)

F = femur

Knee



Chang, Chi-Ching

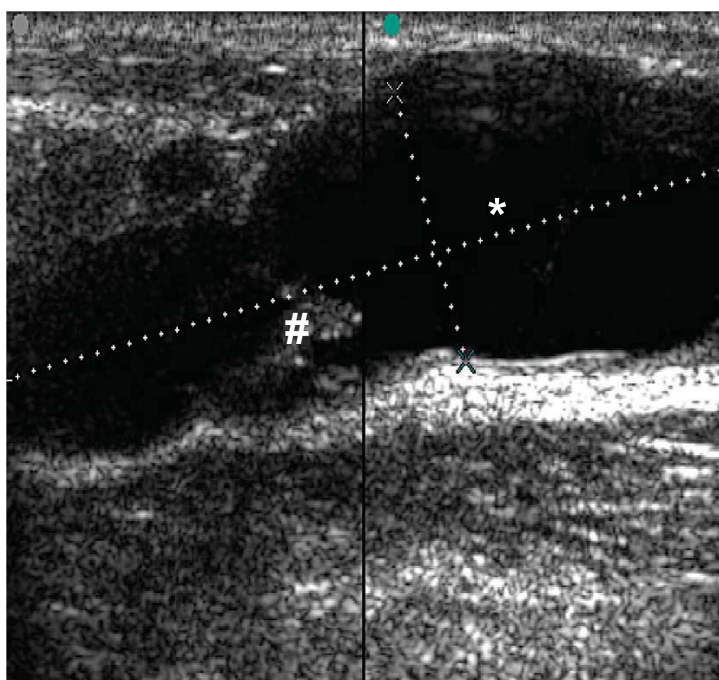
Grey scale US using a Taitan 180

OA

Longitudinal scan of lat knee

Effusion(*) and synovial proliferation(#)

F = femur



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Grey scale US using a Taitan 180

OA

Longitudinal scan of popliteal fossa

Baker's cyst appears as a hypoechoic area, with synovial proliferation (#)

* = effusion

Knee



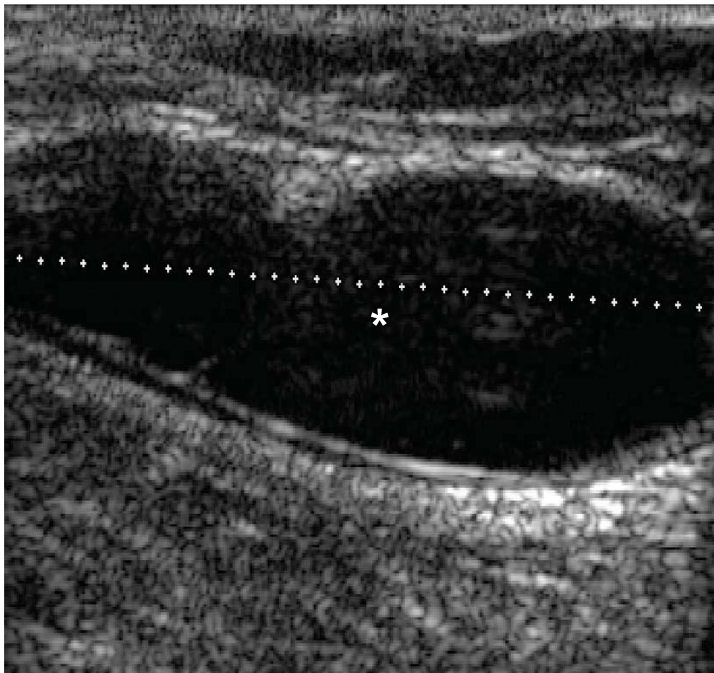
Chang, Chi-Ching

Grey scale US using a Taitan 180

OA

Transverse scan of popliteal fossa

Baker's cyst appears as a hypoechoic area (*)



Chang, Chi-Ching

Grey scale US using a Taitan 180

OA

Longitudinal scan of popliteal fossa

Baker's cyst appears as a hypoechoic area (*)

Knee



Chang, Chi-Ching

Grey scale US using a Taitan 180

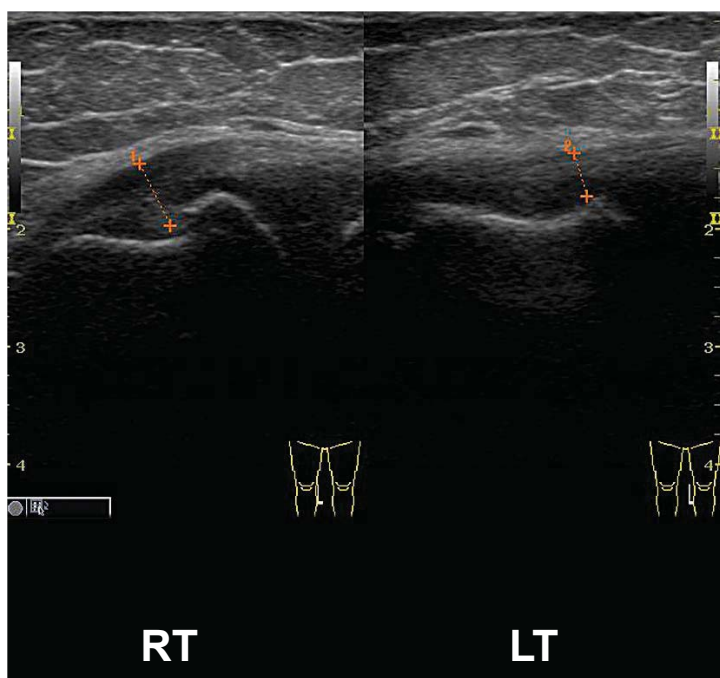
OA

Pes-anserine bursitis

Longitudinal scan of medial knee

Effusion in Bursa

* = effusion



OA

Pes Anserine Tendinitis

Longitudinal scan of pes anserine tendon

Hypoechoic swelling of pes anserine tendon compared with left side

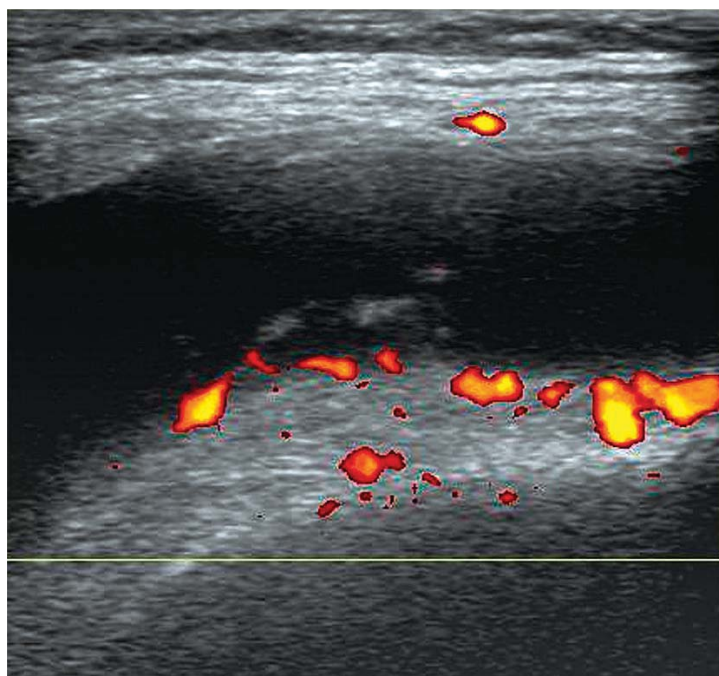
RT = abnormal

LT = normal

Wu, Chien-Hui

Grey scale US using a Logiq P5 (General Electric Medical Systems, Milwaukee, WI) with a linear probe (12L)

Knee



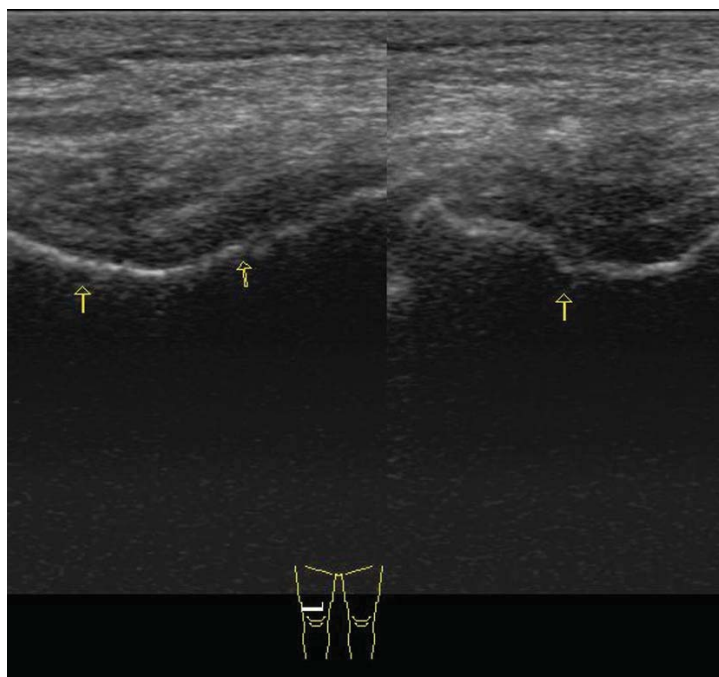
OA

Oblique scan

Synovial hypertrophy with effusion and power Doppler scan showed grade 3 inflammatory change

Wu, Chien-Hui

Power doppler US using a Logiq P5 (General Electrics Medical Systems,Milwaukee,WI) with a linear probe (12L)



OA

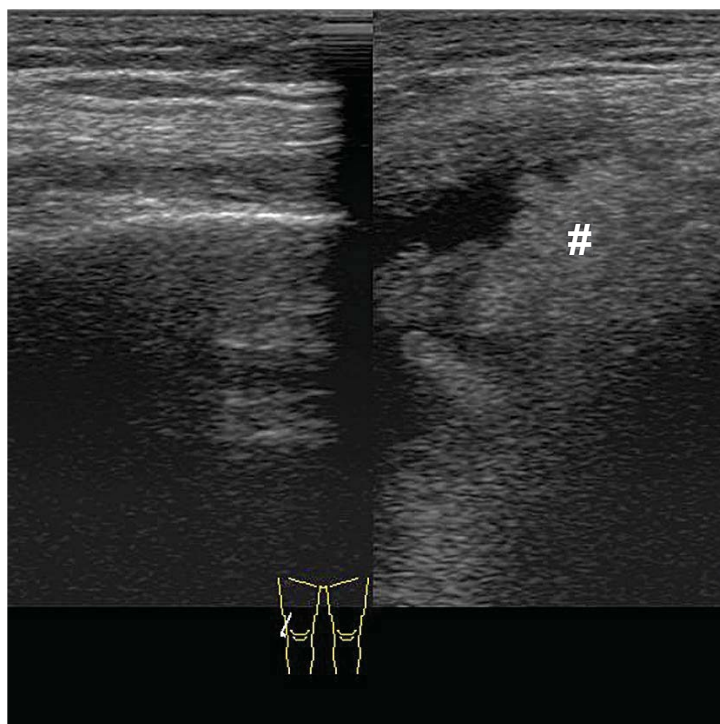
Transverse scan of suprapatella

Uneven bone surface and narrow cartilage more over medial side

Wu, Chien-Hui

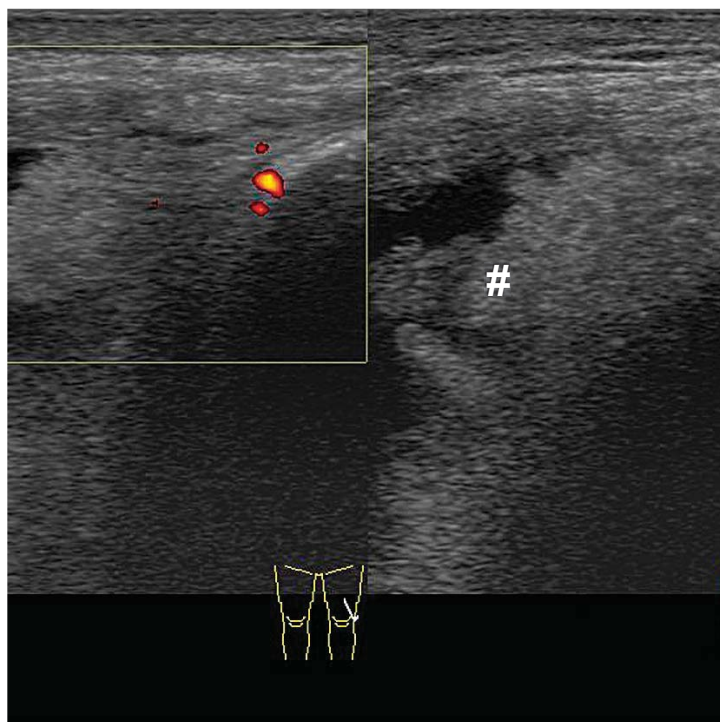
Grey scale US using a Logiq P5 (General Electrics Medical Systems,Milwaukee,WI) with a linear probe (12L)

Knee



OA Inflammatory Oblique scan

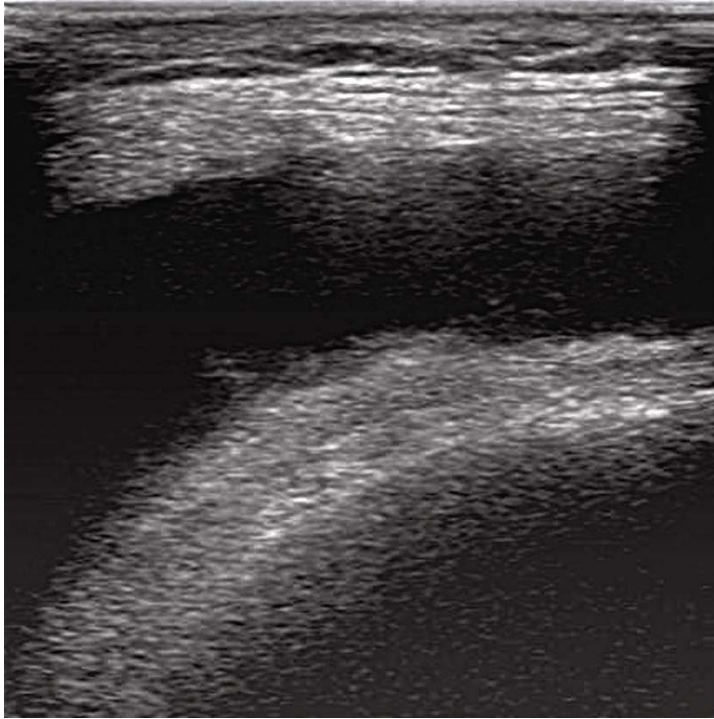
Synovial hypertrophy(#) with effusion Power doppler scan showed grade 2 inflammatory change



Wu, Chien-Hui

Grey scale US and power doppler using a Logiq P5 (General Electrics Medical Systems,Milwaukee,WI) with a linear probe (12L)

Knee

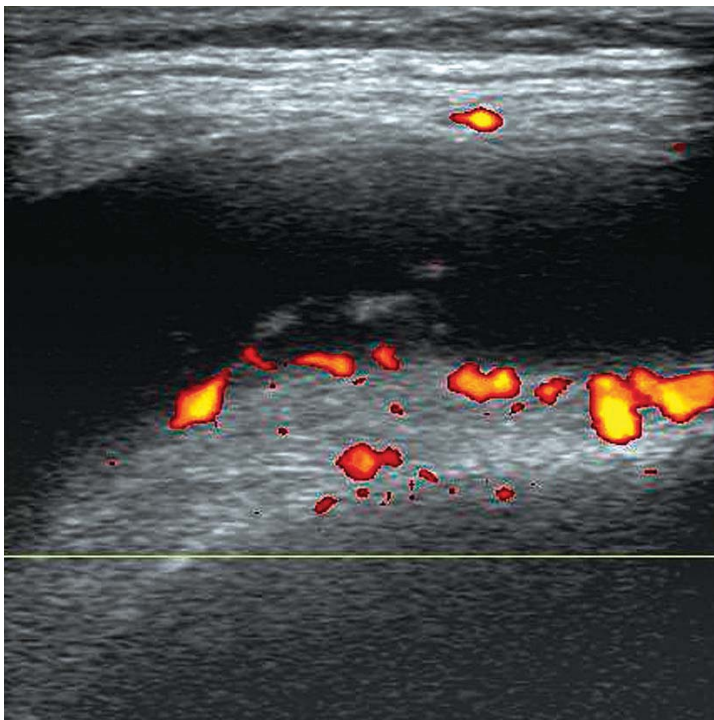


OA

**Inflammatory
Osteoarthritis**

Oblique scan

Rt suprapatellar pouch
showed synovial hypertrophy
and effusion and inflammatory
change PDI grade 3



Wu, Chien-Hui

Grey scale US using a Logiq P5 (General Electrics Medical Systems,Milwaukee,WI) with a linear probe (12L)

Shoulder

Elbow

Wrist

Hand

Hip

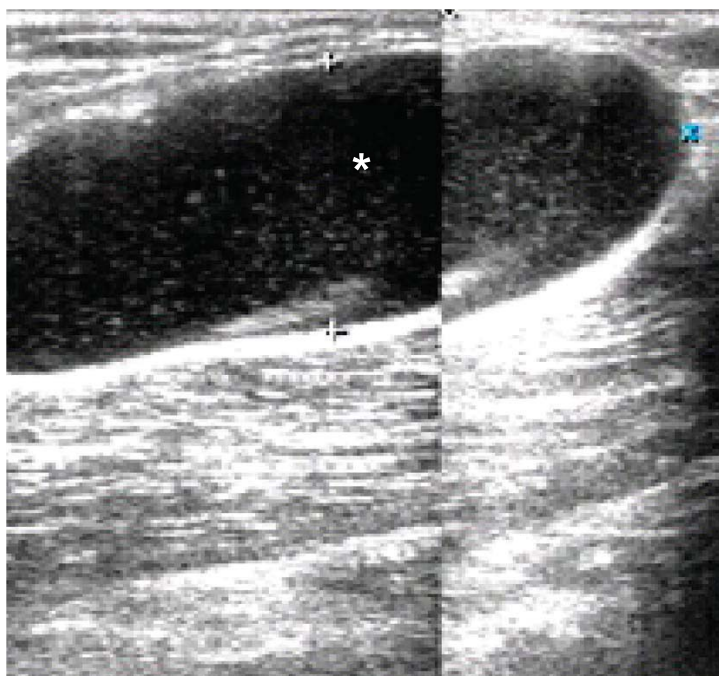
Knee

Ankle

Foot

Others

Knee



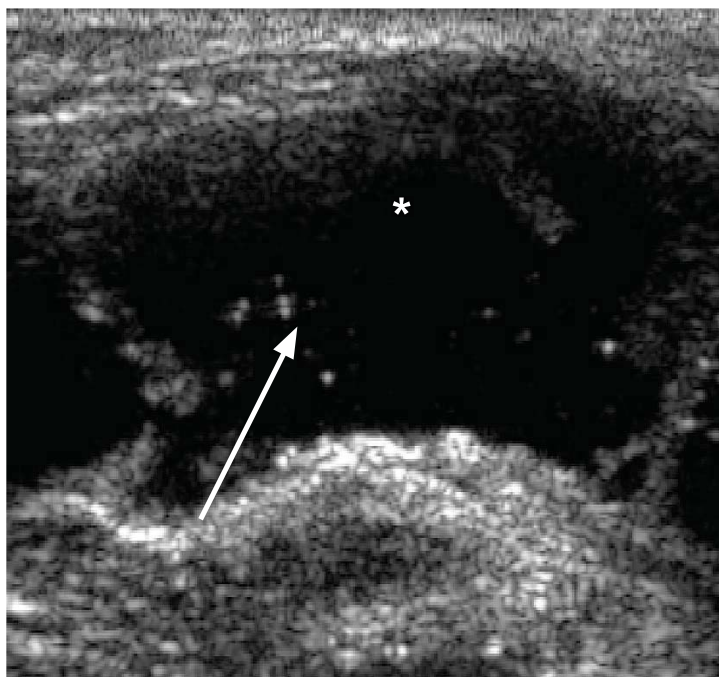
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Grey scale US using a Envisor (Philips, the Netherland) with a multi-frequency linear transducer (7~12 MHz)



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Baker's cyst appears as a hypoechoic area (*), with hyperechoic spots (arrow)

Chang, Chi-Ching

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