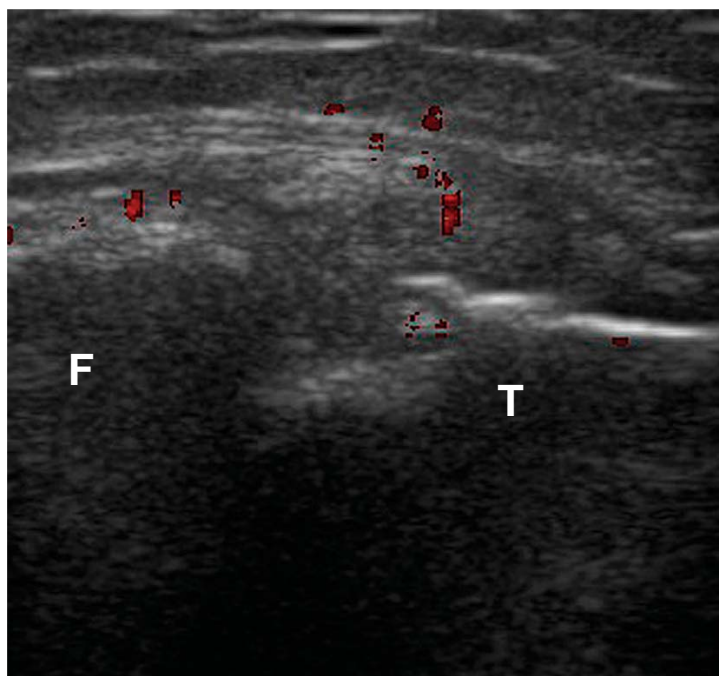
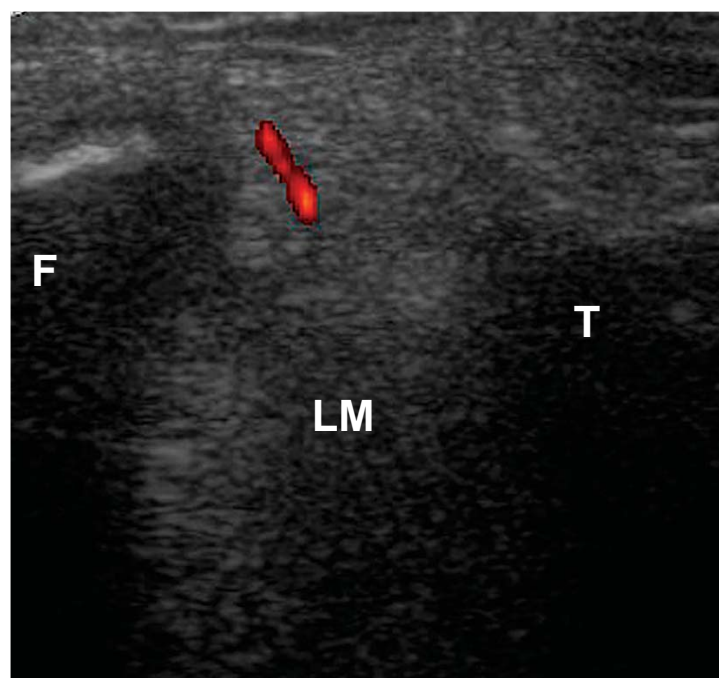


Knee



Chen, Ying-Chou

Power Doppler Ultrasonography using CGM OPUS 5000



Kuo, Chang-Fu

Grey scale US using a Logiq 5 (General Electrics)

RA

Longitudinal sonogram over lateral meniscus

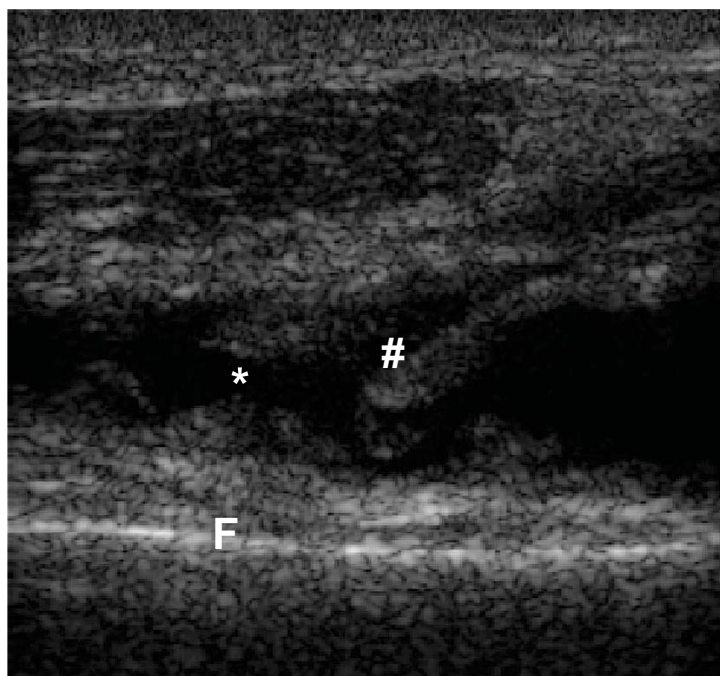
Confluent vessel powder Doppler signals in less than half of the medial meniscus. Abbreviations: femur (F), Tibia (T)

RA

Longitudinal sonogram over lateral meniscus

Single vessel signals on powder Doppler ultrasonography. Abbreviations: lateral meniscus (LM), femur (F), Tibia (T)

Knee



RA

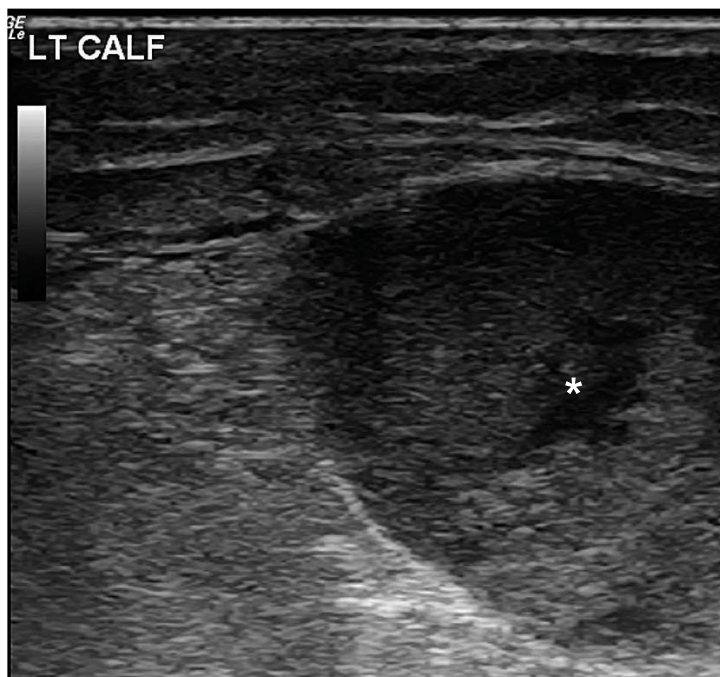
Longitudinal scan of suprapatella

Effusion(*) and synovial proliferation(#)

F = femur

Chang, Chi-Ching

Grey scale US using a Taitan 180



RA

Transverse scan of popliteal fossa

This patient has RA. She has severe knee swelling and large popliteal cyst. Leg swelling was found and echo showed organized ruptured popliteal cyst (*).

Kuo, Chang-Fu

Grey scale US using a Logiq 9 (General Electrics Medical Systems, Milwaukee, WI) with a volumetric probe (4D16L), with power doppler

Knee



Chen, Ying-Chou

Grey scale US using acuson machicine

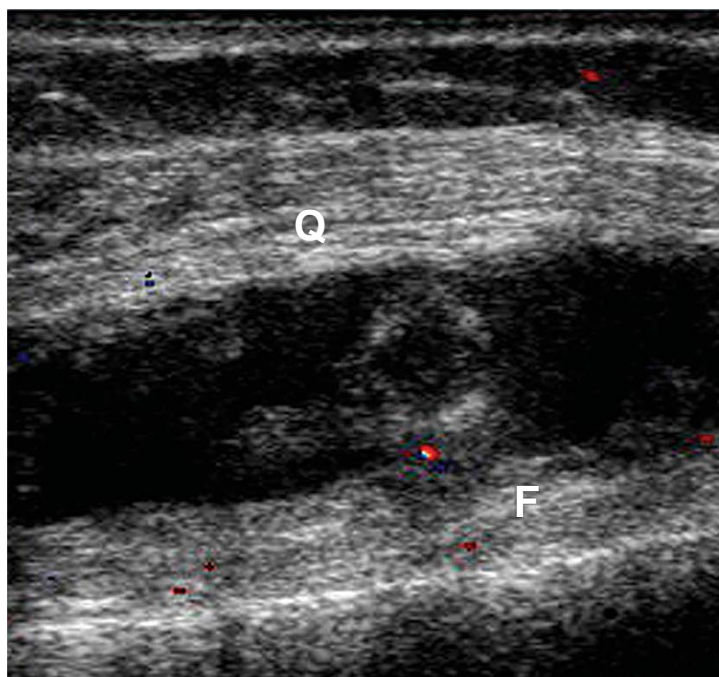
RA

Medial Meniscal Cyst

Medial longitudinal scan

Protrusion of the medial meniscus with well defined mass and septum.

C = meniscal cyst



Chen, Ying-Chou

Power Doppler US using acuson machicine

RA

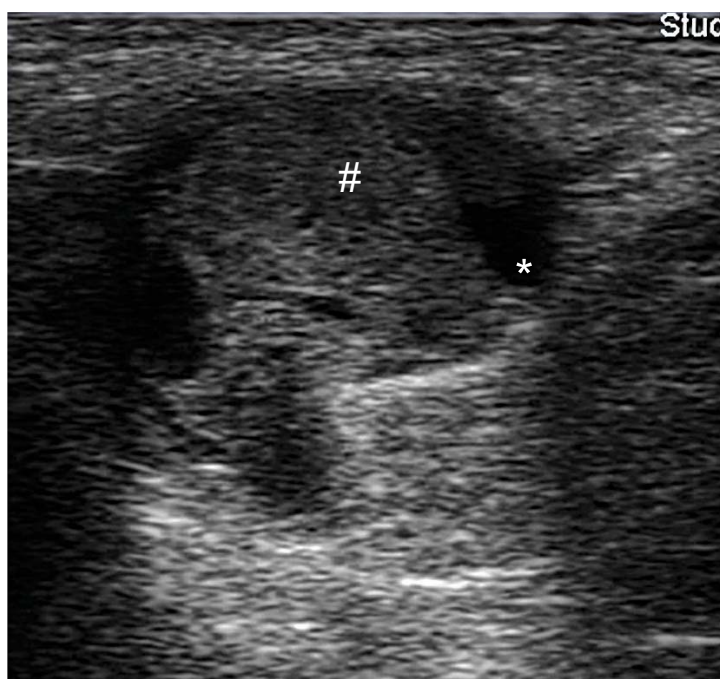
Medial longitudinal scan of suprapatella

RT Knee synovial membrane proliferation and effusion

Q = quadriceps

F = femur

Knee



Lin, Liang-Hung

Grey scale US using a Logiq 5 (General Electrics)

RA

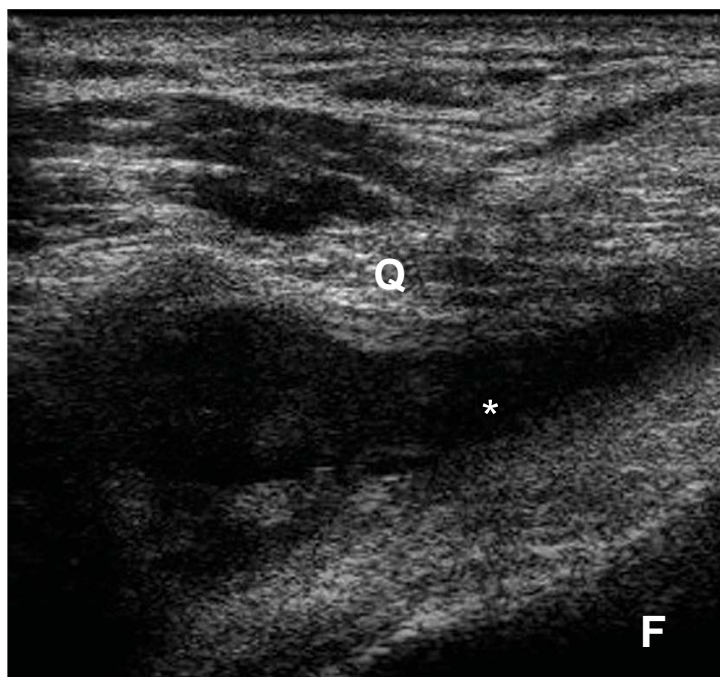
Baker's Cyst

**Posterior transverse scan
(popliteal view)**

Proliferative synovitis.
Marked joint cavity widening
Mainly due to synovial
proliferation.

= synovium proliferation

* = synovial fluid



Chen, Ying-Chou

Grey scale US using acuson machine

RA

**Longitudinal scan of
Suprapatella**

Suprapatellar effusion
and synovial membrane
proliferation

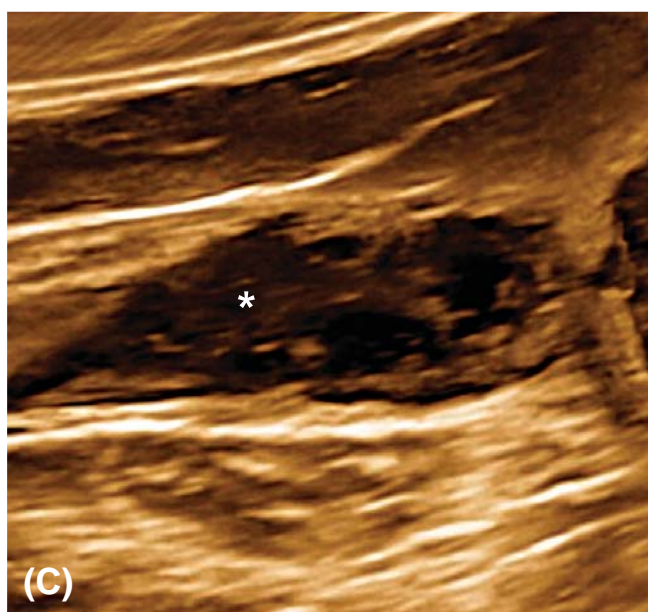
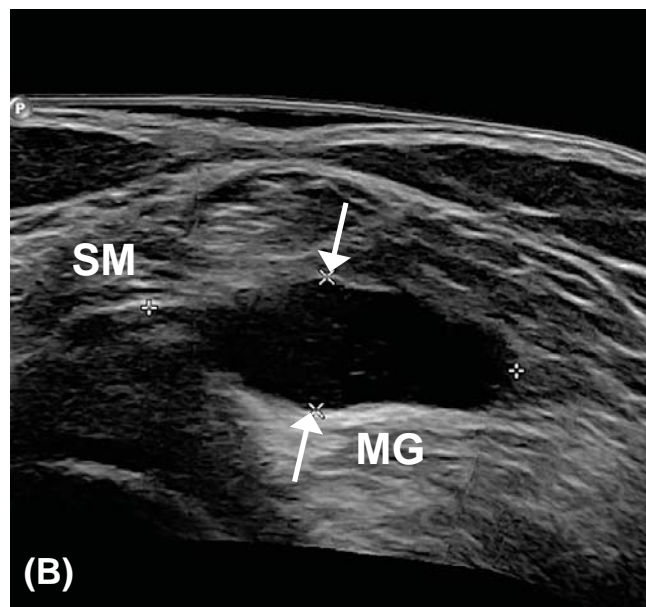
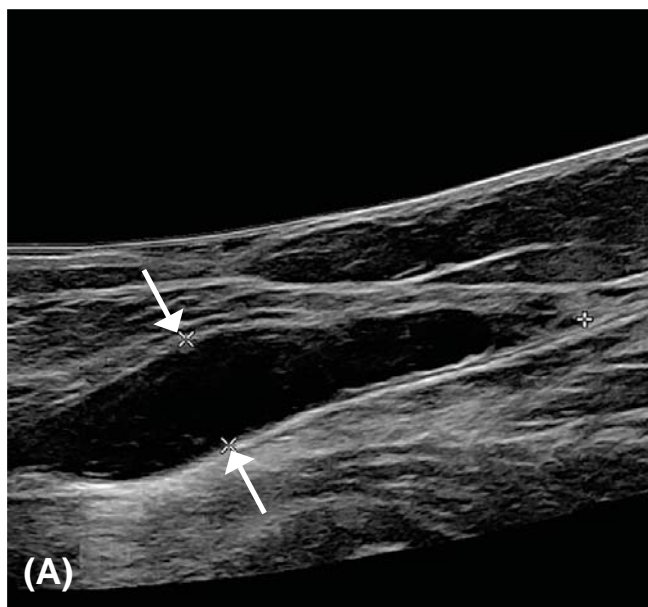
Q = quadriceps

F = femur

* = synovial fluid

Knee

RA



Baker's Cyst

Panoramic view of longitudinal scan (A) , transverse scan (B) and 3D scan over popliteal fossa and calf (C)

A cystic lesion protruding out between medial gastrocnemius tendon and semimembranous tendon with marked synovial membrane proliferation (*) and moderate anechoic effusion.

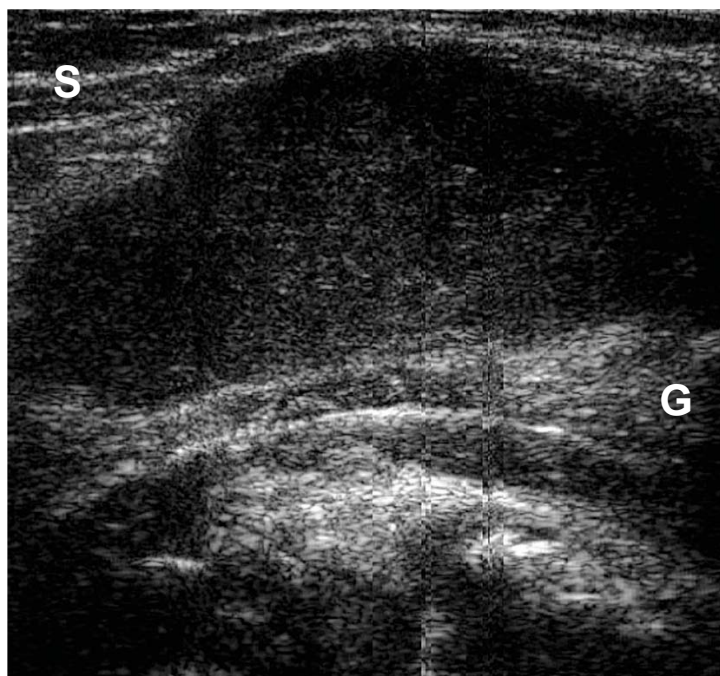
The above findings are compatible with baker's cyst with pannus formation.

SM = semimembranous tendon, MG = medial gastrocnemius tendon.

Chen, Hsin-Hua

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

Knee



Chen, Ying-Chou

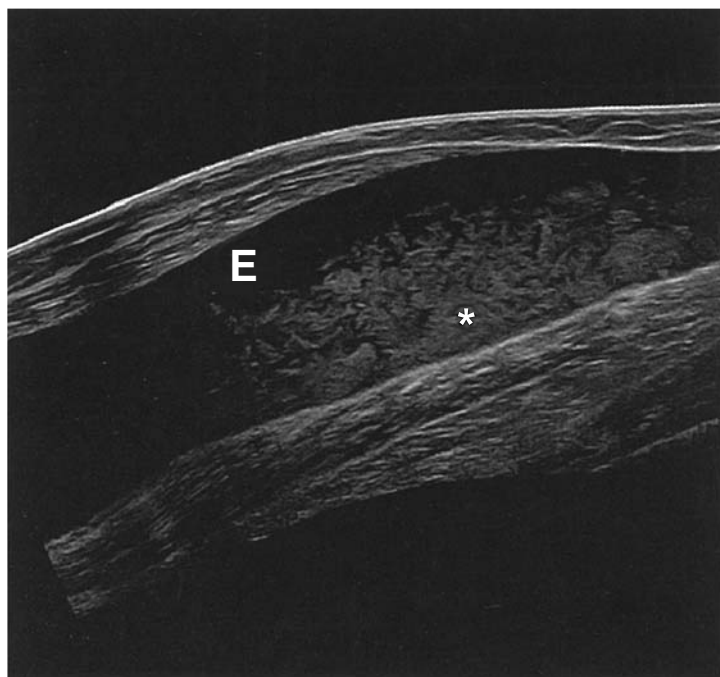
Power Doppler Ultrasonography using CGM OPUS 5000

RA

Baker's Cyst

Longitudinal scan and panoramic view of popliteal fossa

A cystic mass lying between the gastrocnemius(G) and semimembranous(S) muscle



Chen, Hsin-Hua

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

RA

RA with Baker's Cyst Extending to Calf

Panoramic view of longitudinal scan over calf

Longitudinal scan over calf shows a huge well-defined intramuscular cystic lesion connecting to baker's cyst containing marked synovial membrane proliferation (*) and massive anechoic effusion (E).