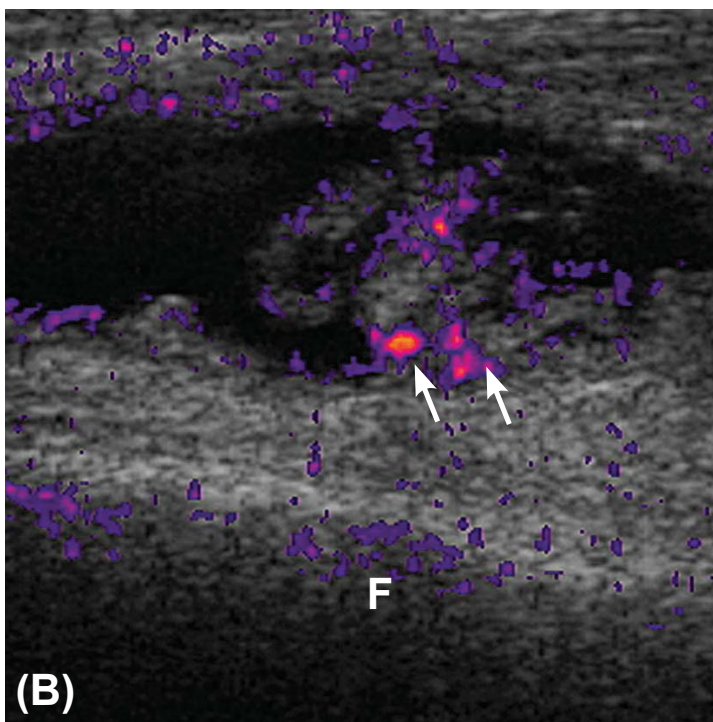
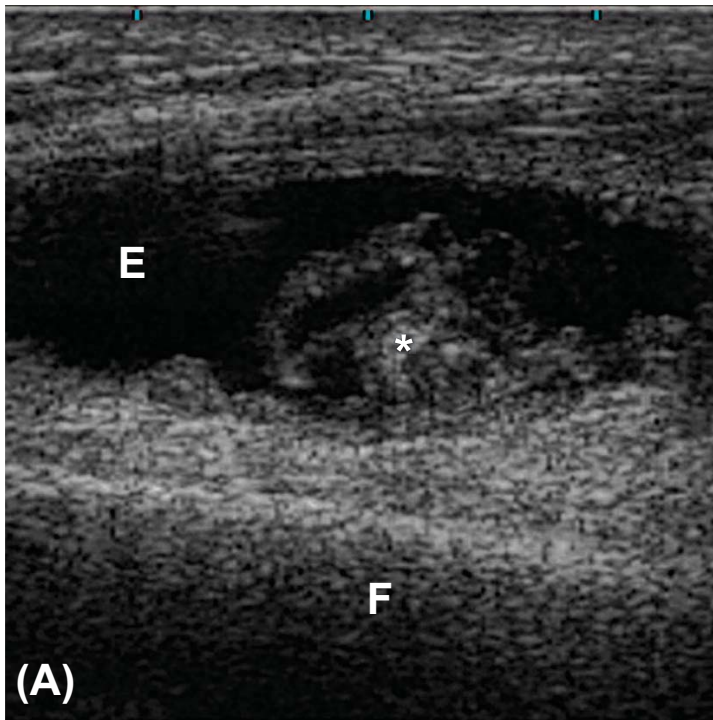


Knee



Other Diseases

Pigmented Villonodular Synovitis

Dorsal longitudinal scan (A) and Power Doppler image of suprapatella(B).

Widening of suprapatellar pouch with villonodular like mass lesions (*) and massive anechoic effusion. PDUS showed some confluent Doppler signal (arrows) in lesions. The scattered Doppler signals beneath the bone were artifacts. The Aspirated synovial fluid was bloody.

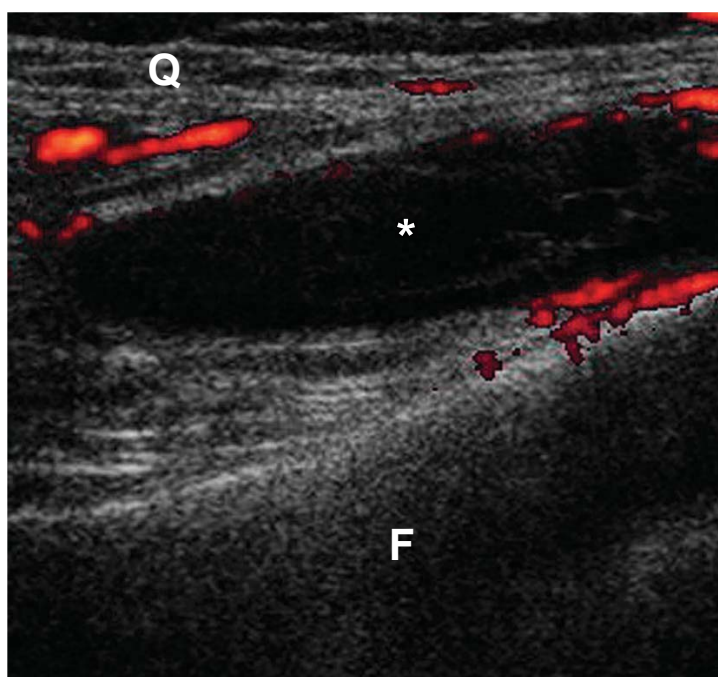
E = effusion

F = femur

Chen, Hsin-Hua

Grey scale and power Doppler US using a Logiq 500 (General Electrics Medical Systems,Milwaukee,WI) with a linear probe (6-13MHz)

Knee



Chen, Ying-Chou

Power Doppler Ultrasonography using CGM OPUS 5000

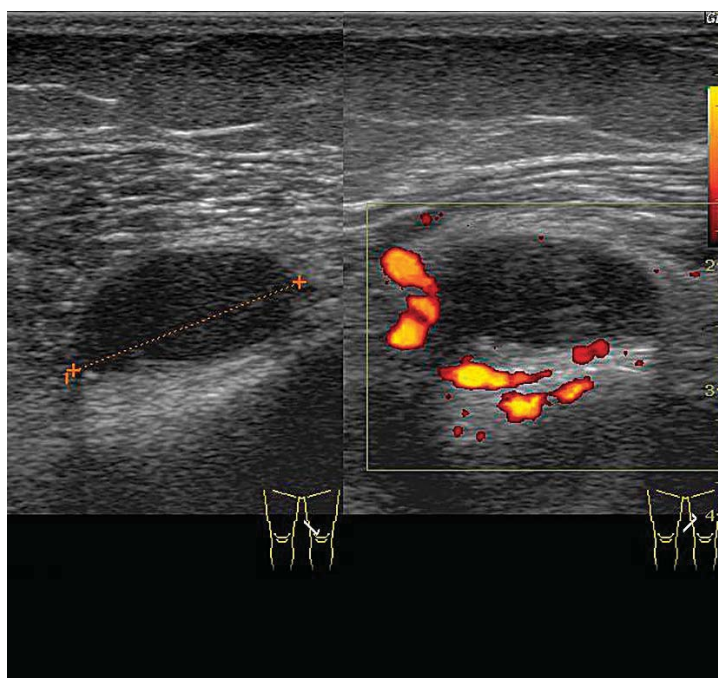
Other Diseases

Salmonella Septic Arthritis

Lateral longitudinal scan of suprapatella

Effusion(*) with hyperechoic strands, hyperemic synovial membrane

Abbreviations: femur (F), quadriceps (Q)



Wu, Chien-Hui

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

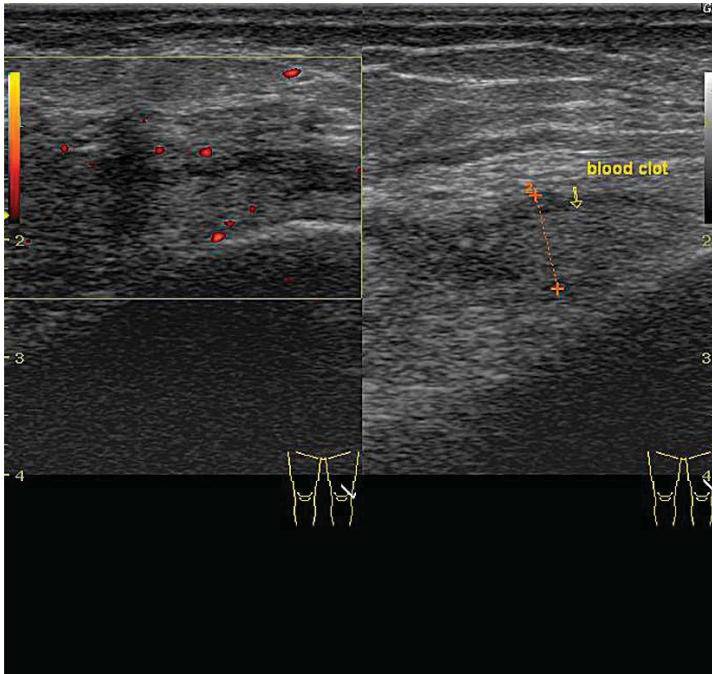
Other Diseases

Subcutaneous Cyst

Oblique scan of quadriceps muscle

A cyst found over rt medial portion of quadriceps muscle and inflammatory change surrounding the cyst

Knee



Wu, Chien-Hui

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

Other Diseases

Hemoarthrosis

Oblique scan of suprapatella

Lt knee joint cavity showed hyperechoic substance
By trauma history and aspiration, blood clot

Shoulder

Elbow

Wrist

Hand

Hip

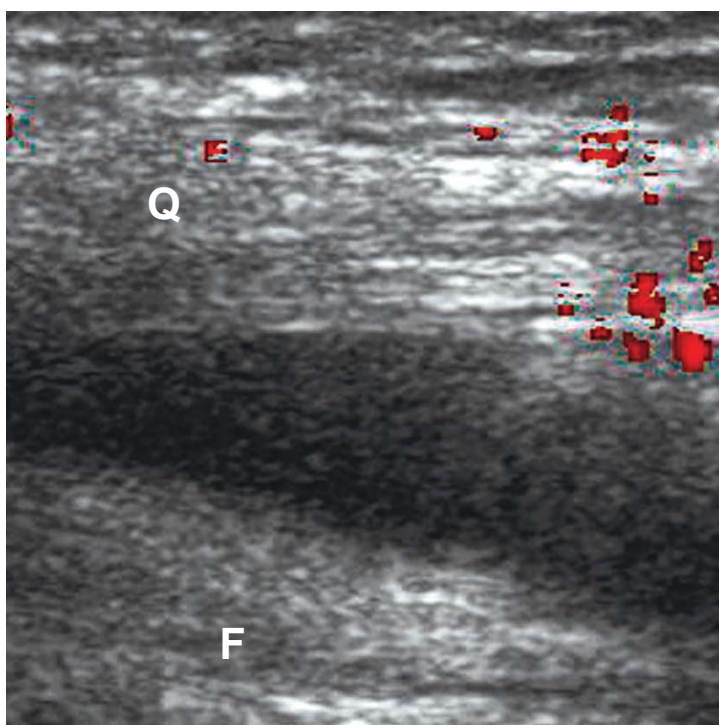
Knee

Ankle

Foot

Others

Knee



Chen, Ying-Chou

Power Doppler Ultrasonography using CGM OPUS 5000

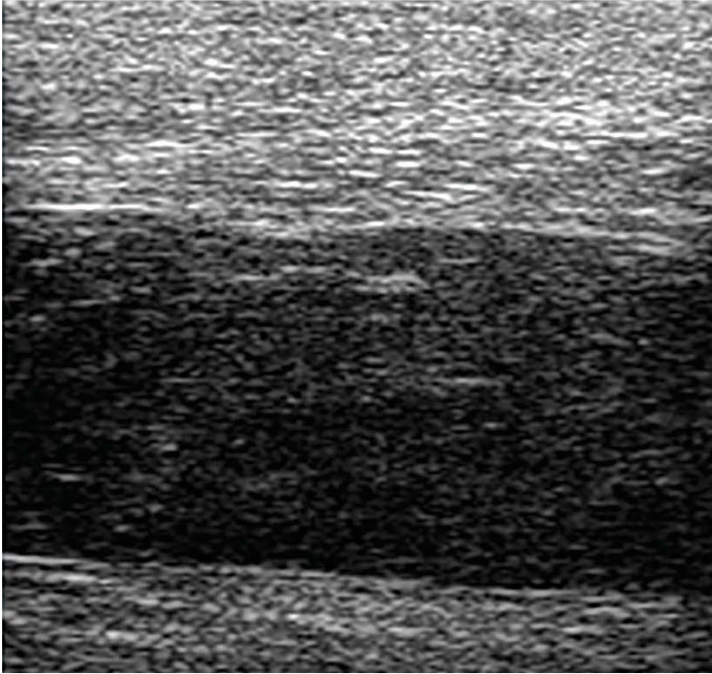
Other Diseases

Primary Sjogren's Syndrome

Longitudinal images obtained with a 7.5 MHz transducer over the suprapatella

Power Doppler signals in less than half the synovium of the metacarpophalangeal joints, an anechoic fluid is identified within the suprapatellar bursa. Abbreviations: femur (F), quadriceps (Q)

Knee



Chen, Ying-Chou

Grey scale US using Acuson machine

Other Diseases

Baker's Cyst Rupture

longitudinal scan of calf

Backer's cyst rupture into calf

Shoulder

Elbow

Wrist

Hand

Hip

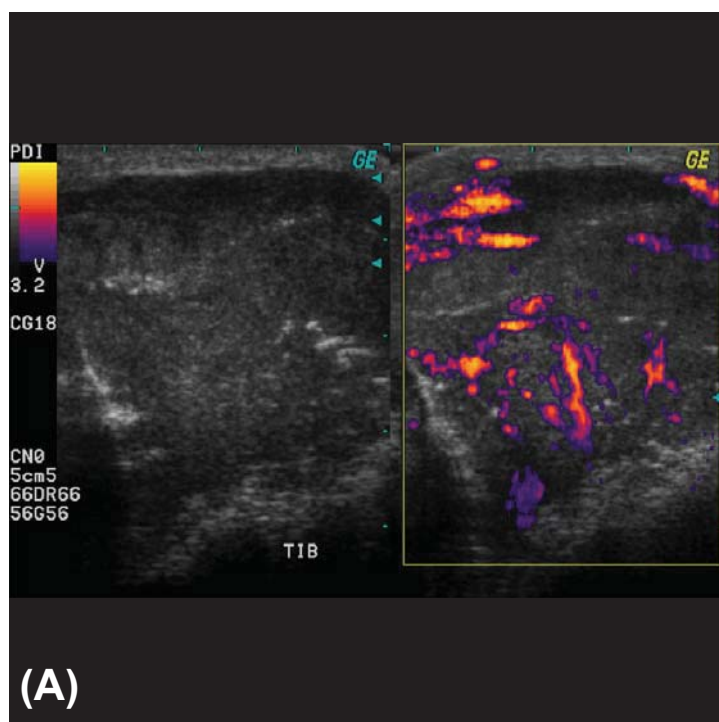
Knee

Ankle

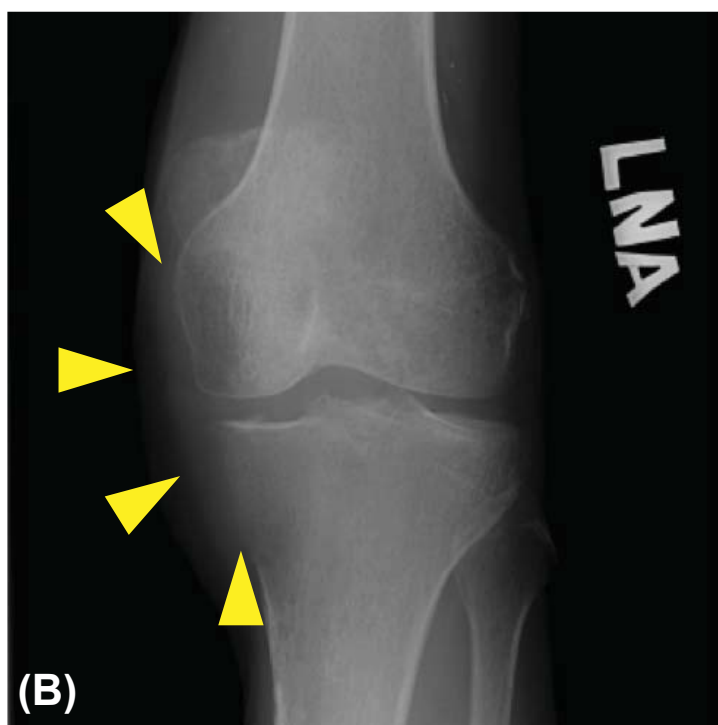
Foot

Others

Knee



(A)



(B)

Other Diseases

Metastatic tumor of knee

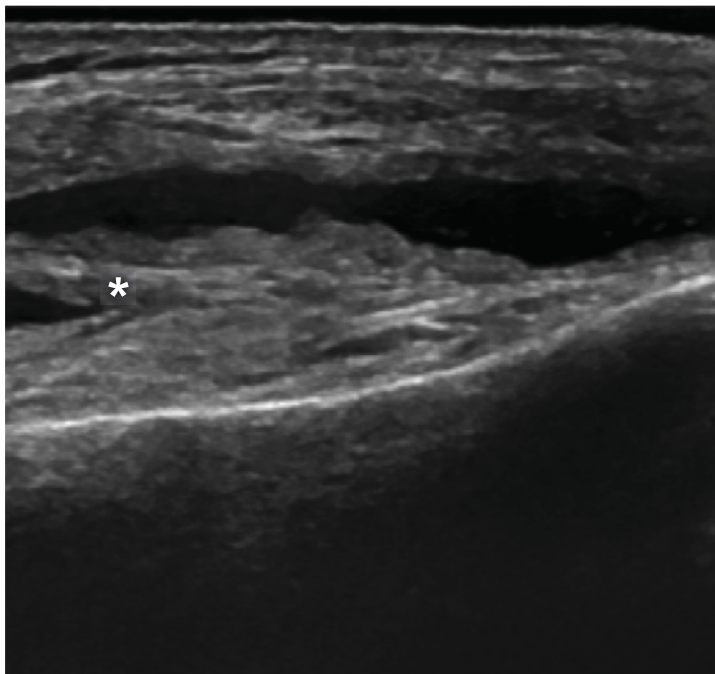
Longitudinal scan of left knee medial side

Metastatic tumor of knee. (A) Longitudinal US scan showed a big heteroechoic mass with calcifications and tibia bone destruction (left). The mass was hypervascular on power Doppler study (right). (B) X-ray showed a soft tissue mass (arrowheads) with invading to tibia and lateral femoral condyle. TIB: tibia.

Lai, Kuo-Lung

Gray scale and power Doppler US using a GE LOQIG500 (General Electrics) with a linear probe (11MHz)

Knee



Lai, Kuo-Lung

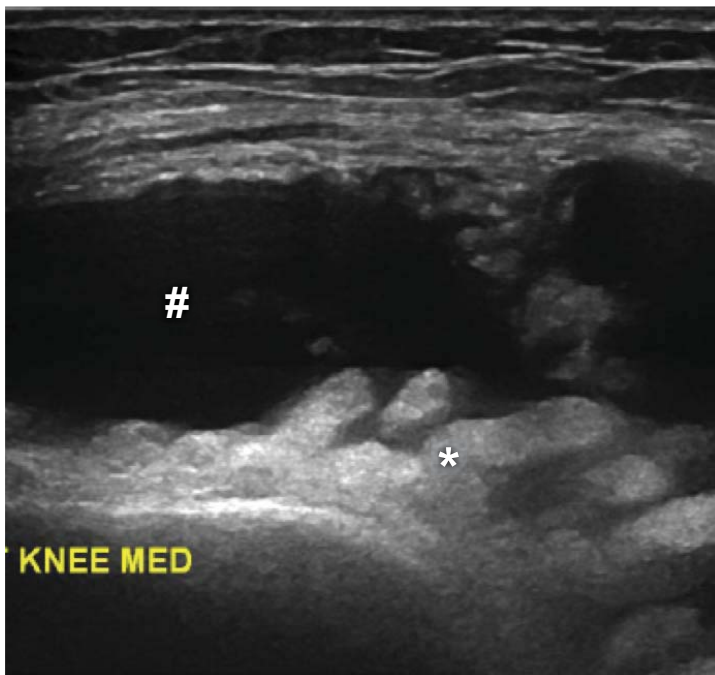
Gray scale US using a GE E9 (General Electronics) with a linear probe (15MHz)

Other Diseases

Plica syndrome

Longitudinal scan at lateral side of suprapatellar pouch

Plica syndrome. Longitudinal US scan at lateral side of suprapatellar pouch showed a characteristic synovial band (*) complicating with synovial effusion and synovitis.



Lai, Kuo-Lung

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

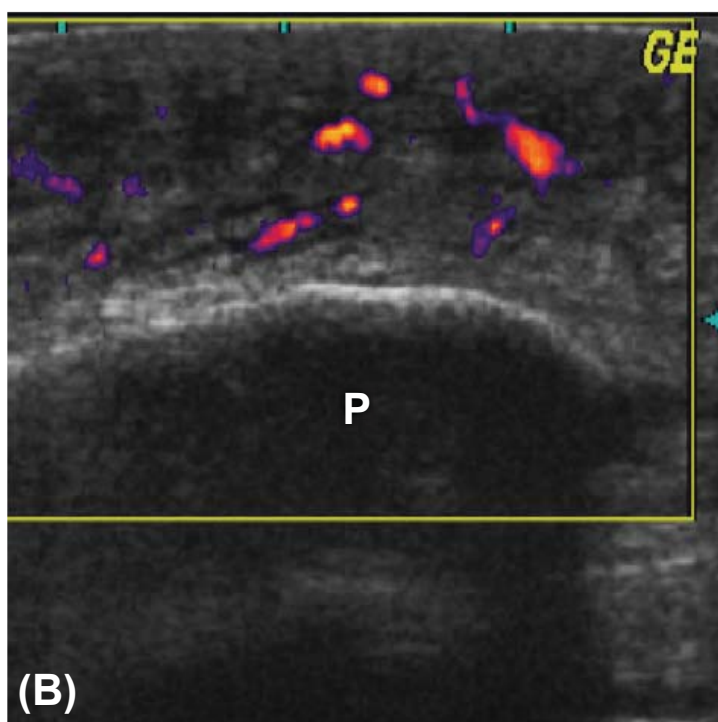
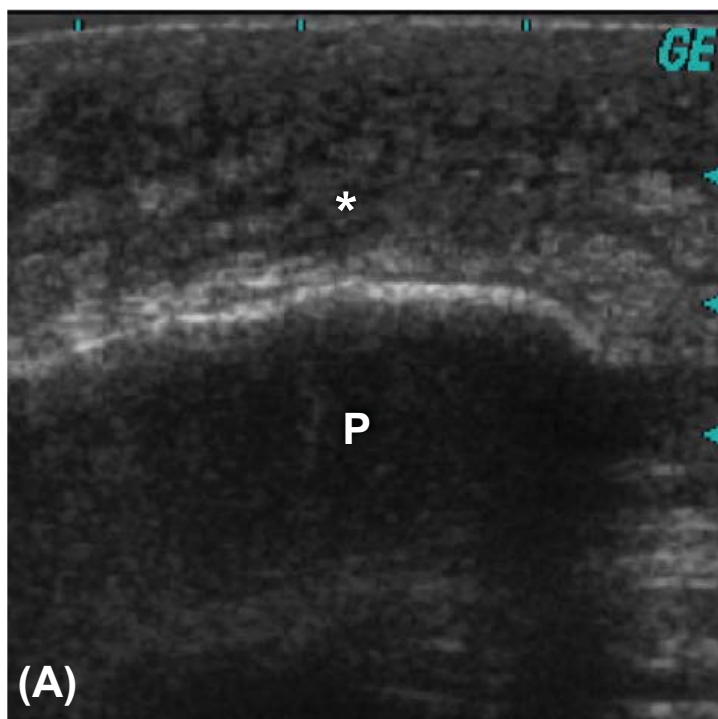
Other Diseases

Lipoma arborescens

Longitudinal scan at medial side of suprapatellar pouch

Lipoma arborescens of knee. Villous proliferation of synovium (*) is the characteristic feature. Massive synovial effusion (#) was also noted.

Knee



Other Diseases

Prepatellar bursitis

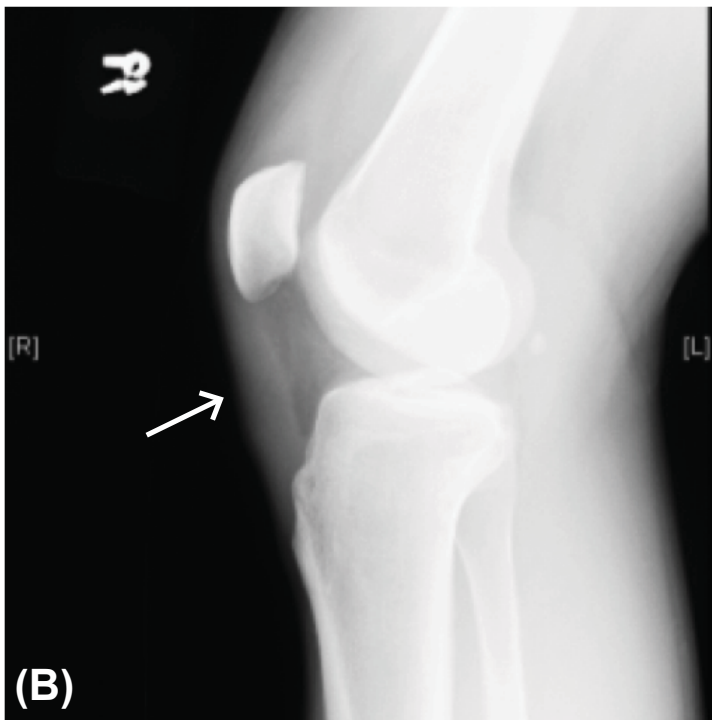
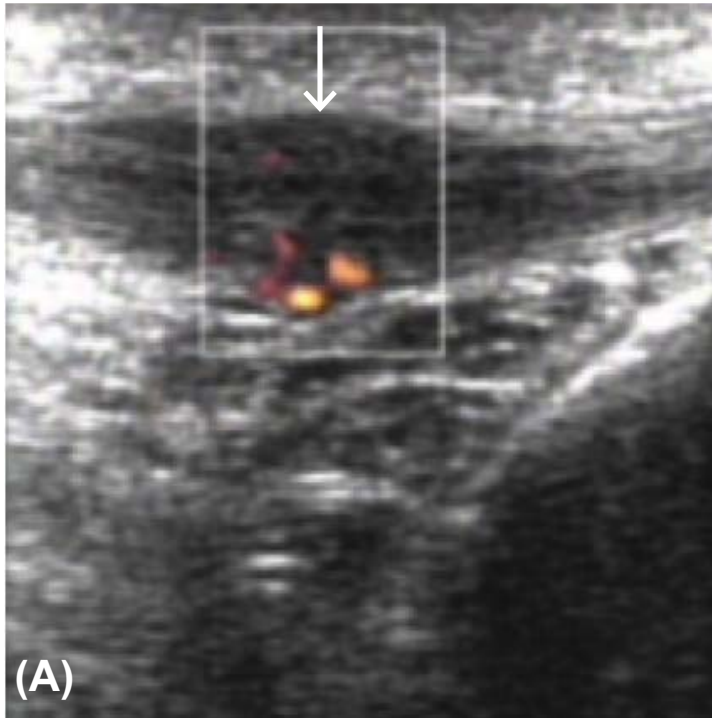
Longitudinal scan of patella

Prepatellar bursitis. (A) Gray scale US showed hypertrophy of the prepatellar bursa synovium (*) and (B) power Doppler US showed bursa synovial vascularity. P: patella.

Lai, Kuo-Lung

Gray scale and power Doppler US using a GE LOQIG500 (General Electrics) with a linear probe (11MHz)

Knee



Other Diseases

Patellar tendinitis

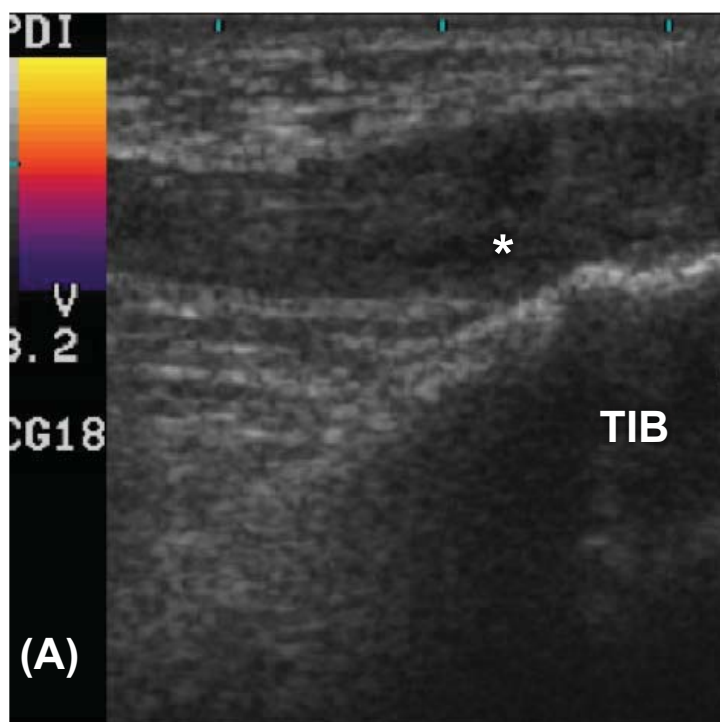
Longitudinal scan of patellar tendon

Patellar tendinitis. (A) US scan showed patellar tendon swelling (arrow) with hypoechoic areas and increased vascularity. (B) X-ray showed patellar tendon swelling (arrow).

Lai, Kuo-Lung

Gray scale US using a GE LOQIG500 (General Electronics) with a linear probe (11MHz)

Knee

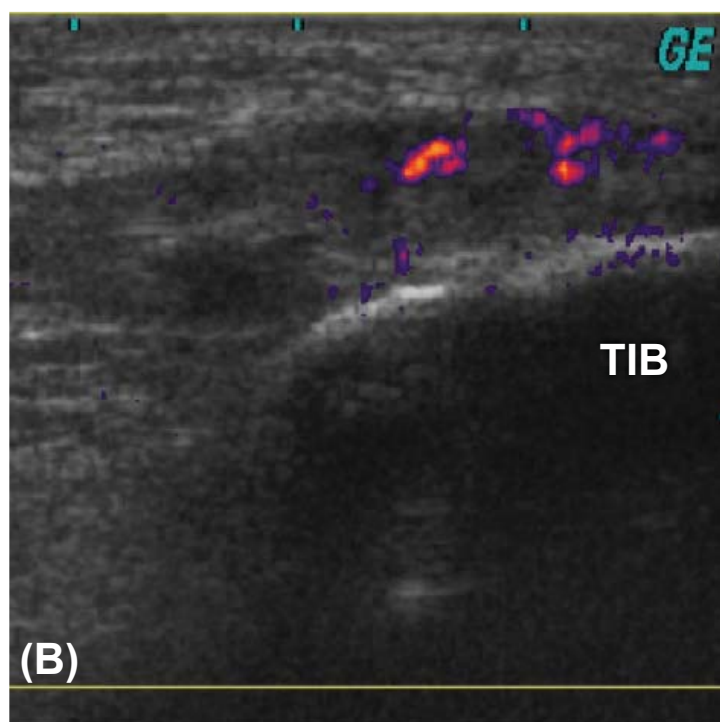


Other Diseases

Patellar enthesitis

Longitudinal scan of patellar tendon

Patellar enthesitis. (A) The tibial insertion of patellar tendon (*) had swelling and hypoechogenicity on longitudinal gray scale US, and (B) increased vascularity on power Doppler US. TIB: tibia.



Lai, Kuo-Lung

Gray scale and power Doppler US using a GE LOQIG500 (General Electrics) with a linear probe (11MHz)