MSK Potpourri

Sarah D. Bixby, MD
Assistant Professor of Radiology
Harvard Medical School
Boston Children’s Hospital
Boston, Massachusetts
Case 1
20 yo female with right shoulder pain

MR Arthrogram
• 1. Osteoid osteoma

• 2. Bone island

• 3. Os acromiale syndrome

• 4. Osteomyelitis with sequestrum
Case 2
10 yo female with right chest swelling
• 1. Chest wall hematoma
• 2. Osteomyelitis (rib)
• 3. Ewings sarcoma
• 4. Appendicitis
• 5. Myositis ossificans
5 months prior.....

sag r1q area of pain

Post-op CT

Post-op CT
Case 3
3 yo male with refusal to bear weight
1. Multifocal osteomyelitis
2. Scurvy
3. Vit D deficient rickets
4. Leukemia
Case 4
15 year old male with knee swelling 2 weeks after football injury
• 1. Peri-patellar hematoma
• 2. Morel-Lavallée lesion
• 3. Venous malformation
• 4. Pre-patellar bursitis
Case 5
18 yo female s/p ACL reconstruction with pain

Ax T2 fs

Cor PD fs
1. Pes anserine bursitis
2. PVNS
3. Sterile abscess
4. Synovial osteochondromatosis
Case 6
9 year old girl with 1 week left thigh swelling

Posterolateral aspect left thigh
9 year old girl with 1 week left thigh swelling
• 1. Soft tissue sarcoma
• 2. Cat scratch disease
• 3. Myositis Ossificans
• 4. Infection
Case 7
4 year old female with pain after mild trauma
Additional imaging at presentation
• 1. Chest wall hematoma

• 2. Fibro-ossificans progressiva

• 3. Cloves syndrome

• 4. Necrotizing fasciitis
Case 8
15 yo male with knee pain/limited extension after injury
• 1. Suprapatellar hemarthrosis

• 2. Fibro-adipose vascular anomaly

• 3. Synovial hemangioma

• 4. PVNS
Case 9
15 yo male with leg pain, other history withheld
What is the underlying condition?

1. Hemihypertrophy
2. Neurofibromatosis Type 1
3. Beckwith Wiedemann
4. Scurvy
15 year old female: painless mass over left hip

Transverse

Sagittal
• 1. Trochanteric bursitis

• 2. Fat necrosis

• 3. Lipoblastoma

• 4. Granuloma annulare
Case 11
15 yo girl with right groin pain 2 weeks after soccer injury
• 1. Adductor brevis strain
• 2. Infectious myositis
• 3. Osteomyelitis
• 4. Denervation edema