



Orthopedics Mini-OSCE

Doctor 2020 Mini-OSCEs

Special thanks to

1st month:

Insaf Al Ammouri

Fawzi Qadoomi

Bayan Shiekh Ali

2nd month:

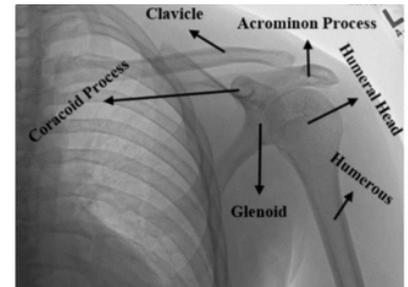
Ala'a Mutaz

Nour Sufian

1st rotation

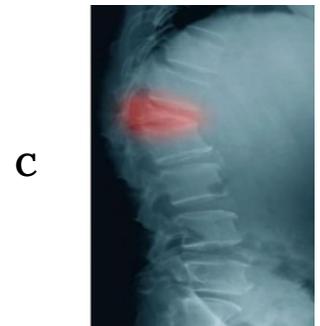
1) Name the pointed structures:

- A. Acromion
- B. Coracoid
- C. Glenoid



2) Identify the following fractures:

- A. Femur neck fracture
- B. Colle's fracture
- C. Compression stress fracture



3) DDH of 1 month old baby

- Name these tests:

- A. Barlow's
- B. Ortolani

- Best imaging modality for this age:

Ultrasound

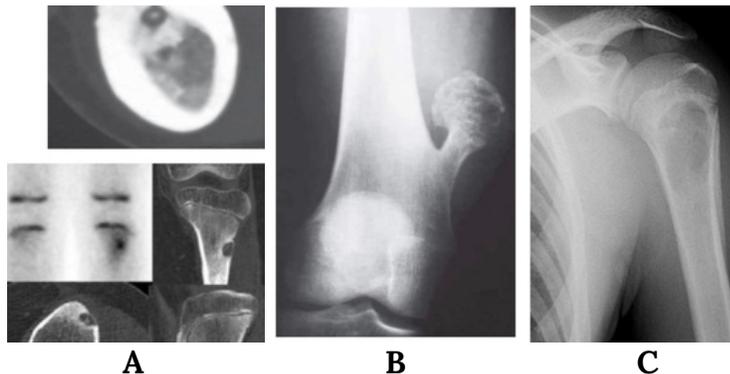


A

B

4) Identify these lesions:

- A. Osteoid osteoma
- B. Osteochondroma
- C. Simple bone cyst



5) Hypotensive patient came to ER after RTA:

- Identify this fracture:
Open book fracture
- What is the immediate step you would do?
ABCDE with iv fluid resuscitation + pelvic binder



6) Scenario: Basketball injury, couldn't continue the game, immediate swelling.

- Most likely diagnosis: **ACL injury**
- Best physical test: **Lachmann test**

7) RTA pt open wound fracture

- Immediate management: **ABCDE**
- Wound management: **Irrigation, antibiotics, anti tetanus, analgesia**

8) Mother concerned about her 11 year old daughter

- Most likely diagnosis: **Idiopathic adolescent scoliosis***
- Name of the test: **Adam's forward bending test**



9) Child presented to ER with fever, irritability, inability to bear weight:

- Workup: **CBC, CRP, ESR, joint aspirate culture**
- Management: **IV antibiotic (augmentin, cephalosporin), drainage**



10) Fracture

- Type of reduction (anatomical, functional): **Anatomical**
- Type of stabilization (absolute, relative): **Absolute**



11) Trauma, pain, redness, not responding to analgesia

- Diagnosis: **Compartment syndrome**
- Management: **Fasciotomy**

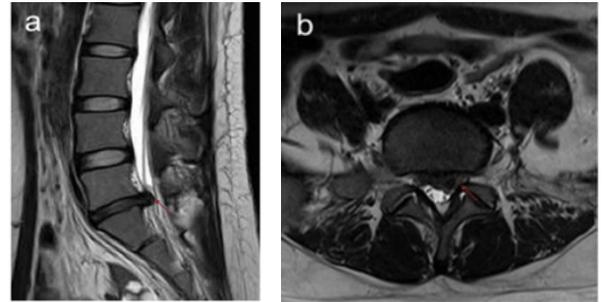
12)

- What is the name of this test? **McMurry test**
- What anatomical structure is tested? **Medial meniscus**



13)

- **Diagnosis: Disc herniation**
- **Pathoanatomical features: Thickening of ligamentum flavum + Pars intervertebralis defect (not sure)**



14)

- **Diagnosis: Rickets**
- **Management: Calcitriol, calcium, vit D**



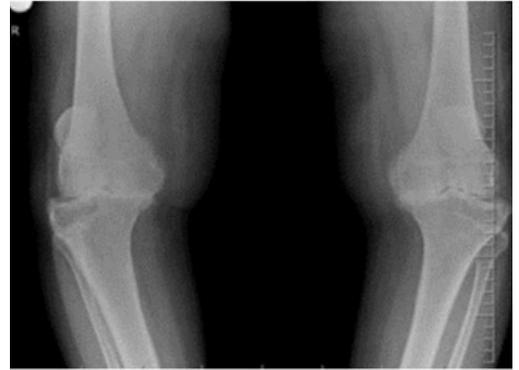
15)

- **Identify the pointed angle**
Acetabular index angle
- **What is the upper limit of this angle?**
30 degree < 6 months and 25 degree > 6 months
- **Name other markers for DDH screening**
Hilgenreiner's, Perkin's and Shelton line



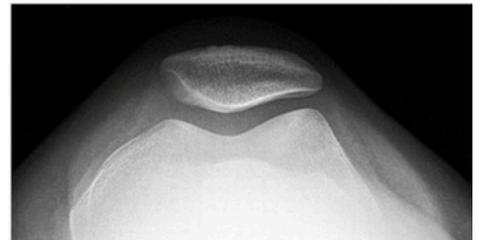
16)

- Symptoms of this patient other than pain:
Swelling, stiffness and trouble moving the affected joint, loss of range of motion
- Possible complications after TKR:
Infection, bleeding, PE, DVT



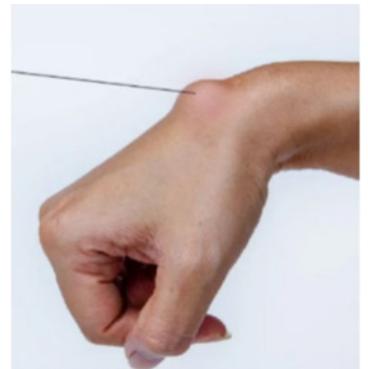
17)

- Diagnosis: **Patello-femoral syndrome**
- Management: **Conservative (NSAIDS/rest/ice/....)**



18)

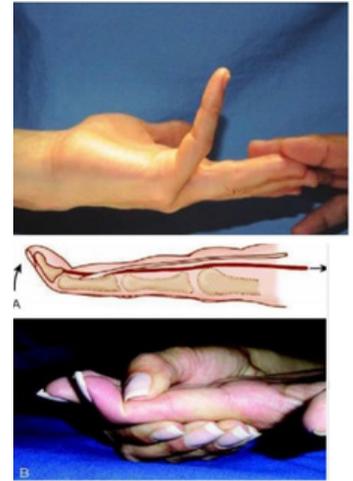
- Diagnosis: **Ganglion cyst**
- Give one differential: **Lipoma**



19) What are the structures examined in these images?

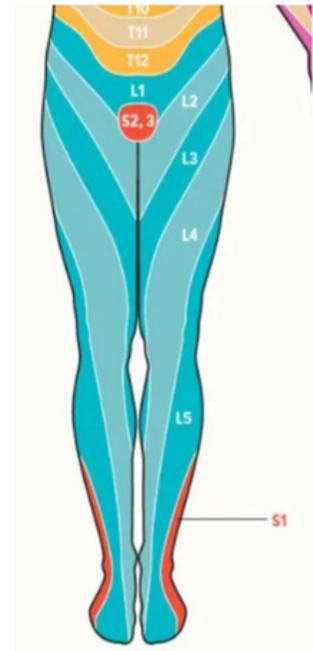
1. FDS

2. FDP



20) Name the pointed dermatomes:

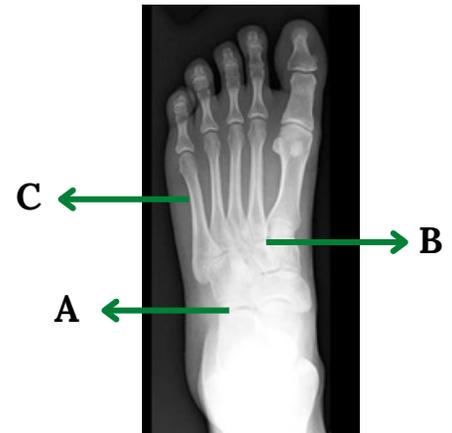
L2,L4,L5



2nd rotation

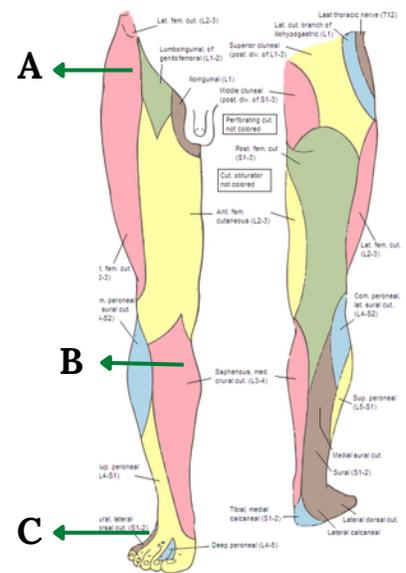
1) Name the bones in the foot:

- A. Cuboid
- B. Medial cuneiform
- C. 5th metatarsal bone



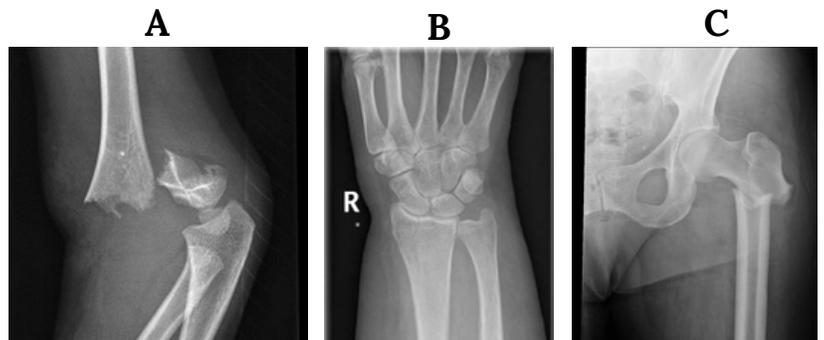
2) Name the innervation of lower limb:

- A. Lateral cutaneous nerve of the thigh
- B. Saphenous nerve
- C. Superficial peroneal nerve



3) Name of the fractures:

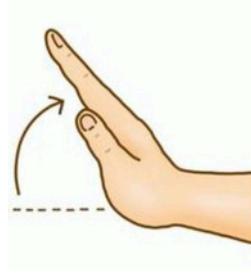
- A. Suprachondylar fracture
- B. Cheuffer fracture
- C. Subtrochanteric fracture



4) Name of innovation in the following:

A. Radial nerve

B. Common peroneal nerve



A



B

5) Child comes to ER, can't bear wt, sever pain ,he was febrile:

- Investigations: **CBC,ESR ,CRP**
- Management: **Antibiotics, drainage**



6) Old age patient with history of DM, distal Femur fracture 6 months ago presented by dischar :

- Diagnosis : **Osteomyelitis**
- Investigations: **CBC, ESR, ...**



7)

- Name of the deformities: **CAVE**
- Treatment: **Serial ponsetti cast**



8) Mother concerned about her 11 year old daughter:

- Most likely diagnosis: **Idiopathic adolescent scoliosis***
- Name of the test: **Adam's forward bending test**



9)

- Mechanism of action: **Cox 1 and cox 2 inhibitors**
- Two side effects: **Nausea, vomiting, GI symptoms....**



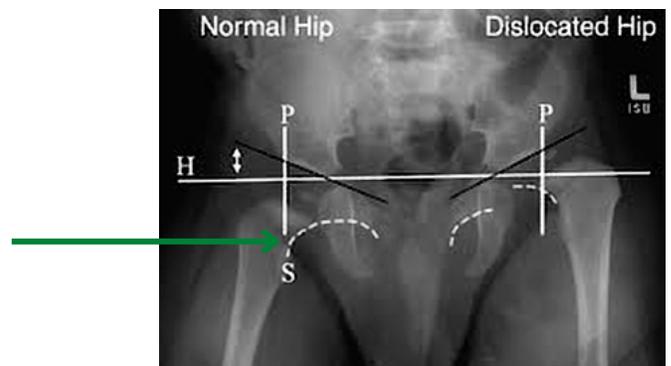
10) RTA accident with the following fracture :

- Type of reduction: **Functional**
- Type of fixation: **Relative**



11)

- Name the line: **Shenton line**
- Risk factors: **Female , family history, breech dilevary**



12)

- Identity lesion: **Osteochondroma**
- Describe lesion : **Pendiculated, well defined ...**



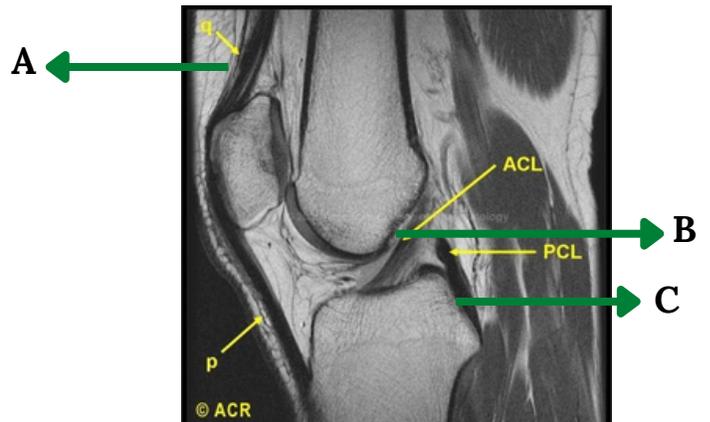
13)

- Name this test: **Varus stress test**
- Tested structure: **LCL**



14) Name the pointed structures:

- A. **Quadriceps tendon**
- B. **ACL**
- C. **PCL**



15) Basketball player fell on ankle in this position.

- A) Diagnosis: **Ankle sprain**
- B) Treatment: **Rest, ice, compression, elevation**



16) Comminuted tibial fracture, pain

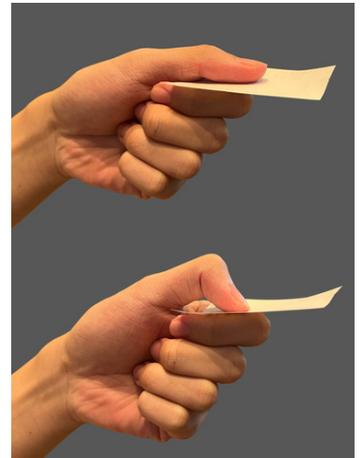
- Diagnosis: **Compartment syndrome**
- Which compartment? **Posterior** (حسب الصورة)
- Treatment: **Fasciotomy**

17) RTA open wound

- Initial management: **ABCDE**
- Management to prevent infection: **irrigation, antibiotic, analgesia, anti tetanus**

18)

- Name of this test: **Forments test**
- Nerve tested: **Ulnar**



19) 51 year old female present with hip pain:

- Diagnosis: **Osteoarthritis**
- Best Surgical treatment? **Total hip replacement**



20) Old lady present with back pain (2 MRI image)

- Diagnosis: **Disc herniation**
- Name the pathological changes (in second image - I couldn't find it -) !!!!

