



Orthopedics

MiniOSCE 020



Special thanks to:

1st month:

Insaf Al Ammouri

Fawzi Qadoomi

Bayan Shiekh Ali

2nd month:

Ala'a Mutaz

Noor Sufian

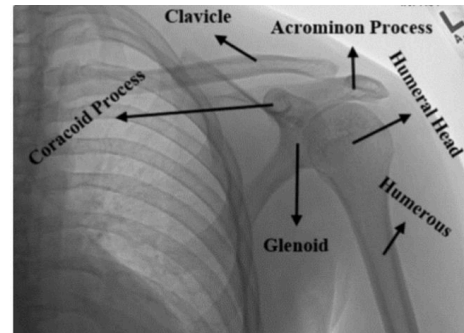
3rd month:

past papers so not mentioned again

1st Month- Summer Semester

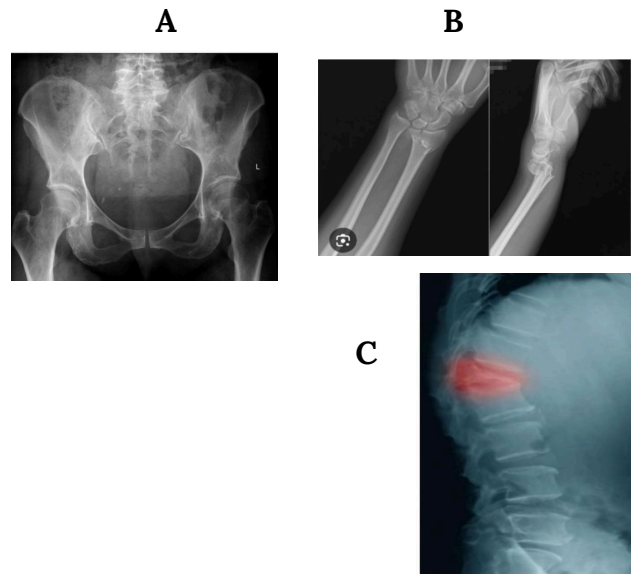
1) Name the pointed structures :

- a) acromion
- b) Coracoid
- c) glenoid



2) Identify the following fractures:

- a) Femur neck fracture
- b) Colle's fracture
- c) compression stress fracture

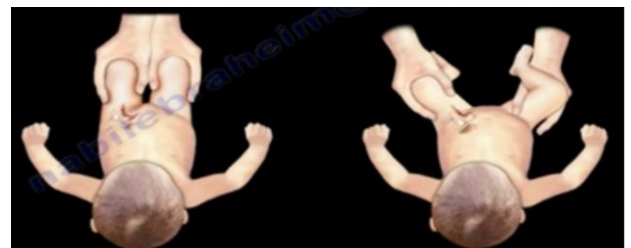


3) DDH of 1 month old baby

- Name these tests

- a) barlow's b) ortolani

- Best imaging modality for this age :
ultrasound

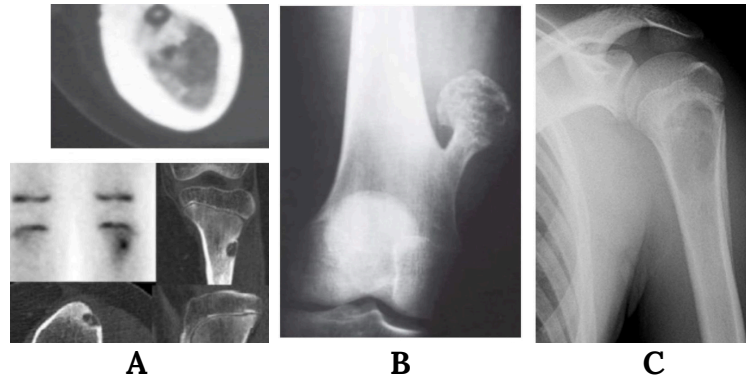


A

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**

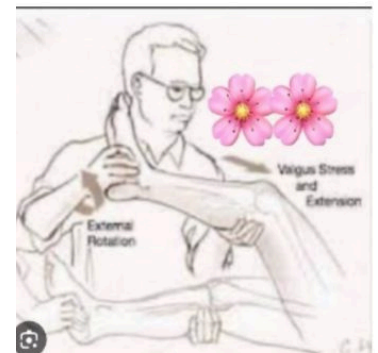


11) Trauma, pain, redness, not responding to analgesia

- Diagnosis **compartment syndrome**
- Management **Fasciotomy**

12)

- what is the name of this test **McMurry test**
- what anatomical structure is tested **medial meniscus**

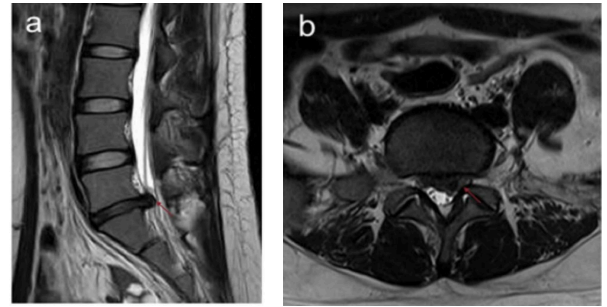


13)

a) Diagnosis **Disc herniation**

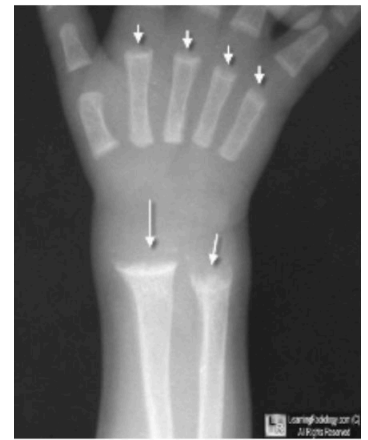
b) Pathoanatomical features

**Thickening of ligamentum flavum +
Pars interarticularis 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



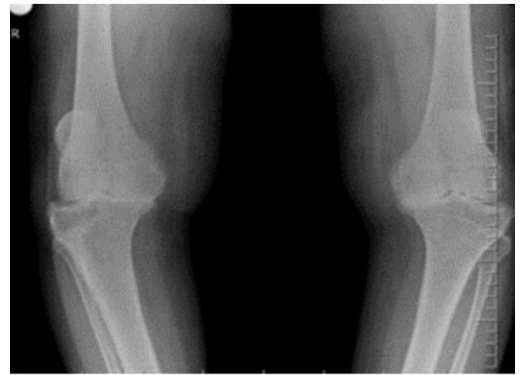
16)

- Symptoms of this patient other than pain??

swelling, stiffness and trouble moving the affected joint, lossof range of motion

- Possible complications after TKR

infection, bleeding, PE, DVT



17)

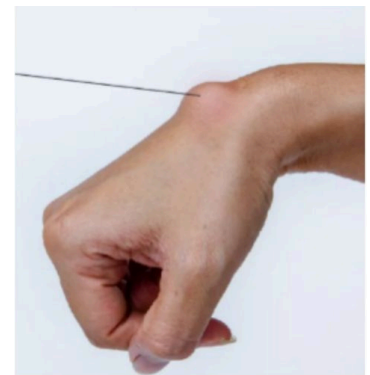
- Diagnosis Patello- femoral syndrome

- Management conservative (NSAIDS/rest/ice/....)



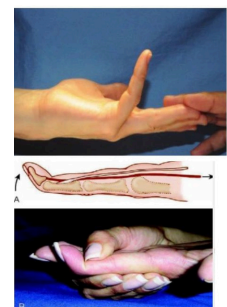
18)

- Diagnosis ganglion cyst
- Give one differential lipoma



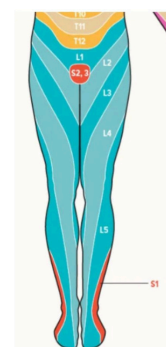
19) what are the structures examined in these images :

1. FDS
2. FDP



20) name the pointed dermatomes :

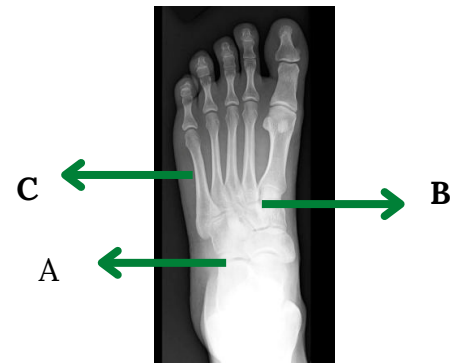
L2,L4,L5



2nd Month- Summer semester

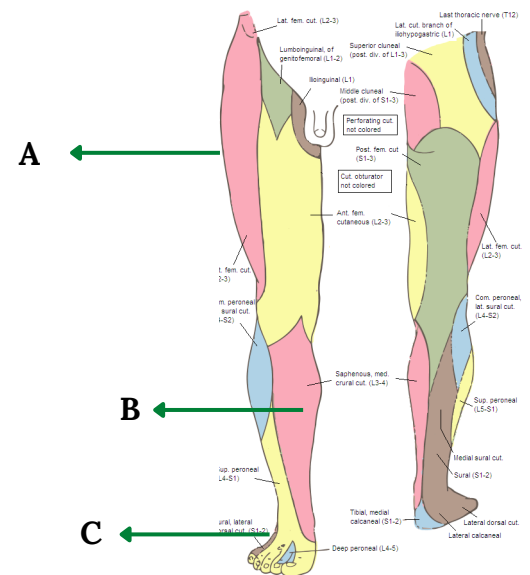
1) Name the bones in the foot :

- A) cuboid
- B) medial cuneiform
- C) 5th metatarsal bone



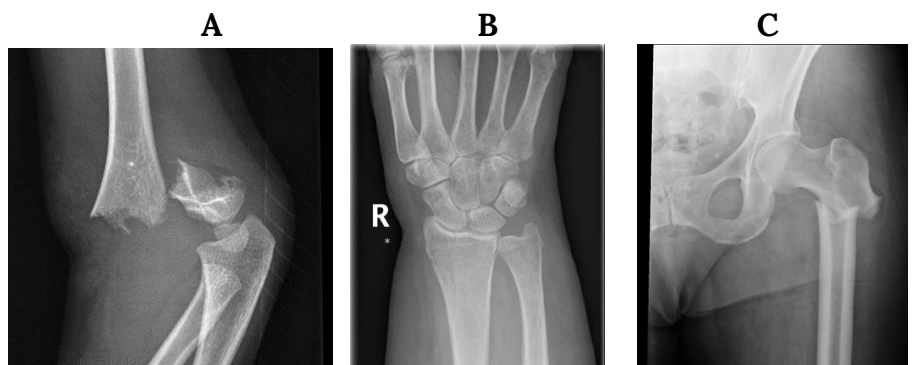
2) name the innervation of lower limb:

- A) lateral cutaneous nerve of the thigh
- B) saphenous nerve
- C) superficial peroneal nerve



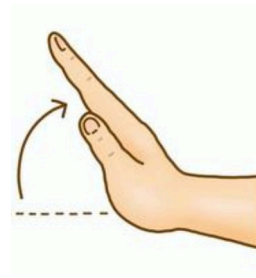
3) Name of the fractures:

- A) supracondylar fracture
- B) Cheffers 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**
- 2 side effects : **nausea , vomiting , Gi symptoms....**



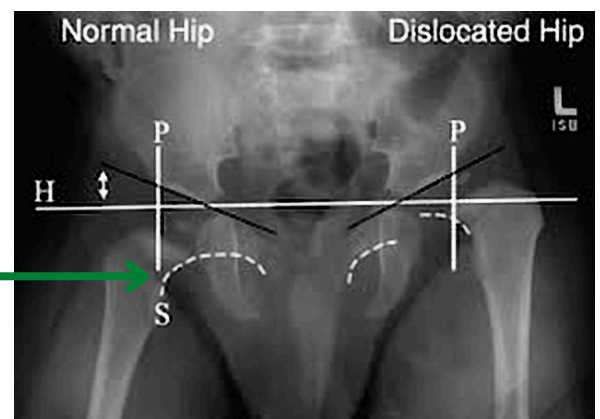
10) RTA accident with the following fracture :

- type of reduction : **functional**
- Type of fixation : **relative**



11)

- Name line : **shenton line**
- Risk factors: **female , family history, breech dilevary**



12)

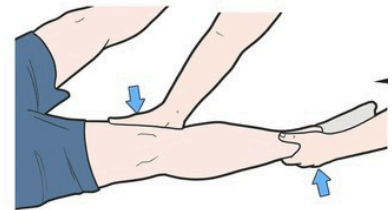
- identity lesion : **osteochondroma**
- Describe lesion : **pendiculated , well defined**



13)

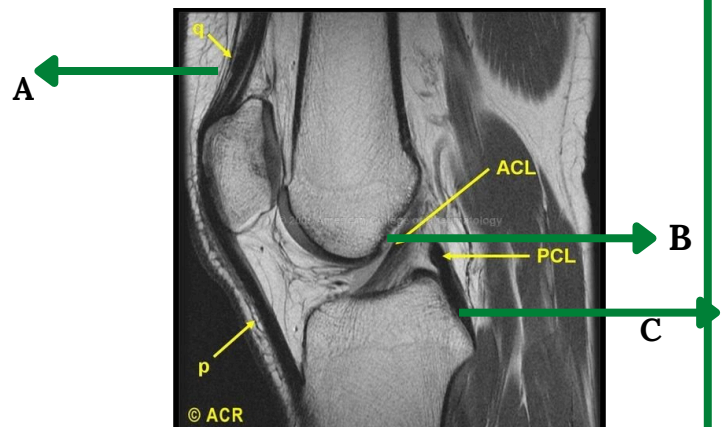
- name this test? **Varus stress test**
- Tested structure? **LCL**

Varus stress test



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

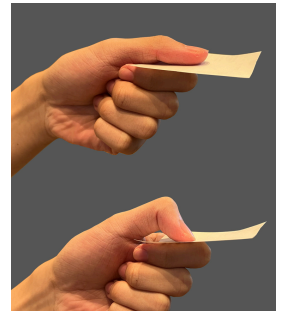
- Diagnosis : **compartment syndrome**
- Which compartment ? **Posterior** (حسب الصورة)
- Treatment : **fasciotomy**

17) RTA open wound

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

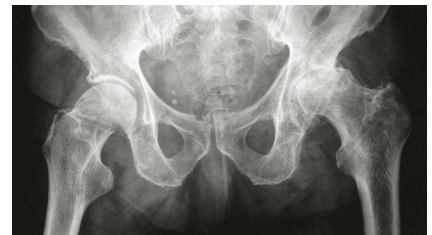
18)

- Name of this test: **forments test**
- Narve 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 -) !!!!



Sumayah Al-Kasaji مساهم بارز



Question 1:

...

Compression fractures in an 80-year-old female.

A- What is the diagnosis?

B- What is the most likely underlying bone pathology?



أعجبي رد تم التعديل 14

Sumayah Al-Kasaji مساهم بارز



Question 2:

An X-ray image showing an open book fracture of the pelvis.

A- What is the diagnosis?

B- What is the immediate next step in management?



أعجبي رد 14



Question 3:

Scoliosis in a 13-year-old patient.

A- What is the diagnosis?

B- Name the clinical test to evaluate this condition.



14 أ أعجبي رد



Question 4:

An X-ray image of the hand.

... Identify the bones labeled on the X-ray:

Capitate

Hamate

Scaphoid



14 أ أعجبي رد



Question 5:

A clinical scenario describes a child presenting to the Emergency Room with fever, irritability, and inability to bear weight.

A- What is the necessary workup?

B- How to manage this patient?

C- Mention one potential complication if this condition is left untreated.



14 أ أعجبي رد



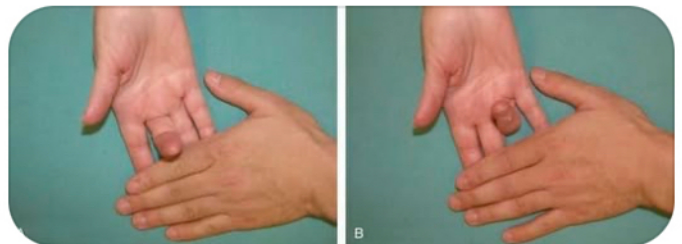
Question 6:

...

Identify the muscles being examined:

A- FDP

B- FDS



14 أ أعجبي رد



Question 7:
 ... An X-ray image shows fractures of the tibia and fibula.
 A- What is the type of reduction required?
 B- What is the type of fixation required?



14 أ أعجبي رد تم التعديل



Question 8:
 A clinical image depicts a swelling on the hand, consistent with a ganglion cyst.
 A- What is the diagnosis?
 B- Mention one differential diagnosis for this condition.



14 أ أعجبي رد تم التعديل



Question 9:

...

An X-ray image shows a slipped vertebra.

A- What is the diagnosis?

B- What is the grade?



14 أ أعجبي رد



Question 10:

Two fractures are presented.

...

Classify the fractures using the Salter-Harris classification.

A- Type 2

B- Type 3



14 أ أعجبي رد

عرض المزيد من الردود



Question 11:

An X-ray of a 14-year-old athlete is presented. Showing Osgood Schlatter.

A. What is the diagnosis?

B. How would you manage this patient?



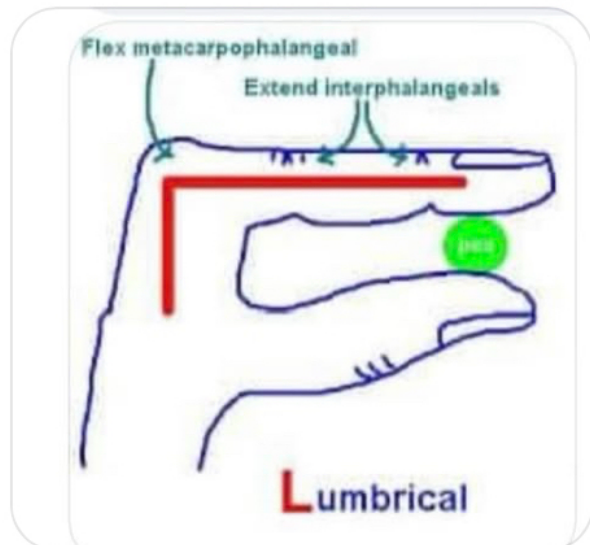
14 أ أعجبي رد



Question 12:

A. Which muscle is responsible for this action?

B. What is the nerve supply to this muscle?



14 أ أعجبي رد

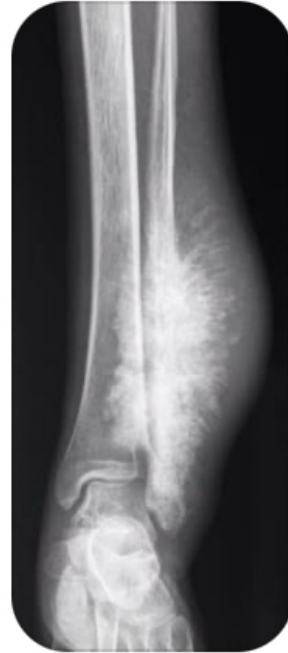
مساهم بارز Sumayah Al-Kasaji



Question 13:

... Name two radiological findings:

- A. Codman triangle
- B. Sunburst sign



14 أ أعجبي رد

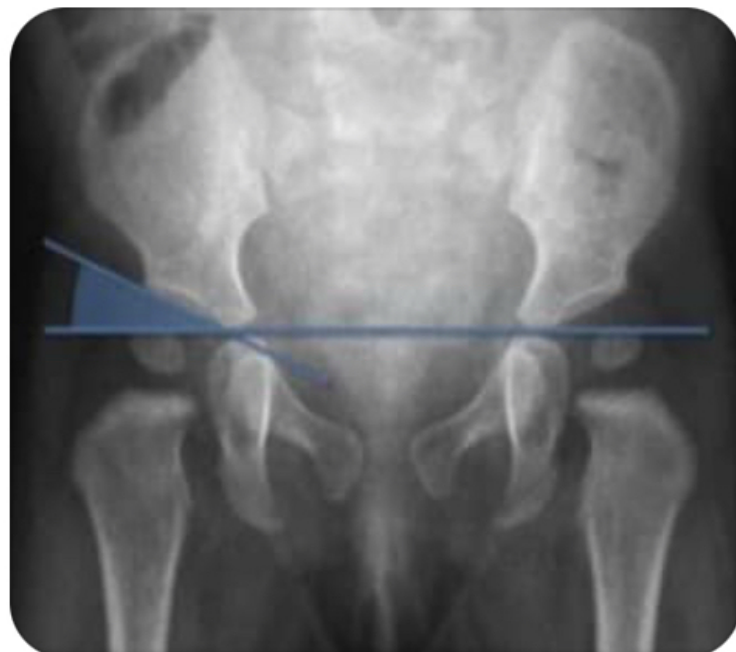
مساهم بارز Sumayah Al-Kasaji



Question 14:

Given this X-ray of a 4-month-old girl.

- A. Identify the pointed angle.
- B. What is the upper limit of this angle?
- C. Name other measurements used for DDH screening.



14 أ أعجبي رد

Question 15:

Name the dermatomes corresponding to the pointed areas shown in the image.

- A- L2
- B- L3
- C- L4



أعجبني رد 14

Question 16:

... A clinical scenario suggests compartment syndrome.

- A. What is the next step in management?
- B. Name two signs of this condition.



أعجبني رد 14

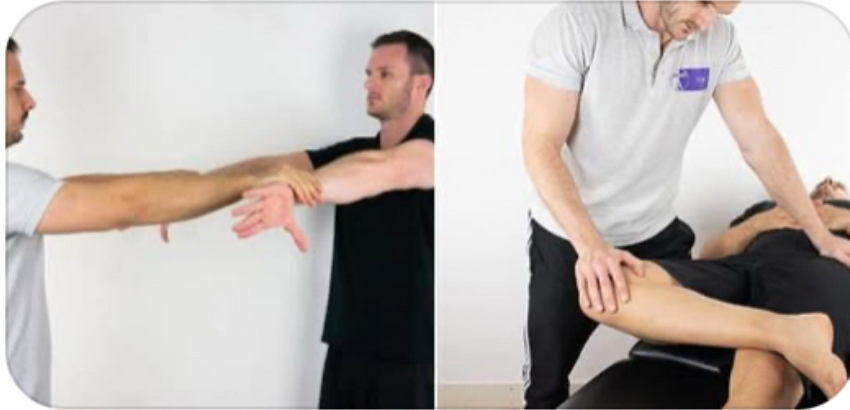
مساهم بارز Sumayah Al-Kasaji



Question 17:

Name the tests shown in the images:

- A. Empty can test
- B. Patrick (FABER) test



أعجبني رد 14

مساهم بارز Sumayah Al-Kasaji



Question 18:

Name the fractures shown in the X-rays:

- A. Monteggia fracture
- B.
- C.



أعجبني رد 14

Mohammad Alakhrass



Sumayah Al-Kasaji

- B. Jones
- C. Bimalleolar ankle fracture

أعجبني رد تم التعديل 14



Question 19:

A patient who has undergone total knee replacement surgery presents with tachypnea, tachycardia, and signs suggesting pulmonary embolism (PE).

A- What is the immediate step in management?

B- Name two additional complications associated with TKR.



14 أ أعجبنى رد



Question 20:

...

A patient presents with an open fracture and hypotension.

A. What is the immediate next step in management?

B. Name one complication of open fractures.





Lejan Aldofaat

Colles fracture ,Galeazzi, Subtrochanteric femur

Sensation of the thigh

Sensation of the foot

Wrist extension -nerve ?

Plantar Flexion -nerve ?

External fixator and 2 disadvantages?

Spinal canal stenosis what are the pathological changes ?

Plantar fasciitis and its management

Asking about pointed structures in the knee !

Pcl I think

Lateral collateral

Medial meniscus

Compartment Syndrome, which compartment involved and its management ?

Hip OA ? Radiological changes ?refractory to conservative ,best treatment ?

Congenital talipes, what are the features ? Management ?

Name of device ?tourniquet

Why ? Max time used ?

Lachman test ? Positive means ?

Fracture asking about the type of reduction and fixation ?

Open fracture , what's the classification according to Gustilo? Management to prevent infection ?

Rickets diagnosis? What to give medications?

Alendronate, MOA ? 2 SE?

A boy presented with knee swelling, pain , fever , what's your Dx? Labs ?

A case of post op osteomyelitis, Dx? Labs?

Describe what you see? A picture of osteochondroma

Forment's sign ? Which nerve is being tested?



أعجبني رد 10

🏆 مساهم ممتاز Nisreen Al-hamawi

Lejan Aldofaat

صورة لل osteochondroma طلب وصف الها

صورة ل radial styloid fracture

وشو نوع reduction و ال stabilisation لالها

صورة لل wrist extension و plantar flexion

ومين العصب المسؤول

صورة ل forment test وشو العصب المسؤول

حالة chronic osteomyelitis

حالة septic arthritis

حالة compartment syndrome

وشو مضارها Circular External fixation

صورة ل Lachman test

صورة ل club foot

أعجبني رد 10

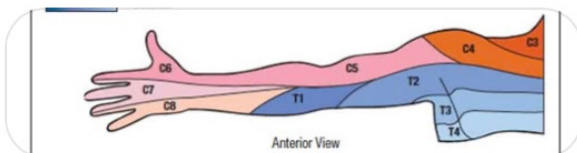
+1 كاتب مسؤول Lejan Aldofaat

Ortho-7

أعجبني رد 4

★ مساهم صاعد Ayham Al-Qawasmeh

Asked about C6, C8, T1



أعجبني رد 4

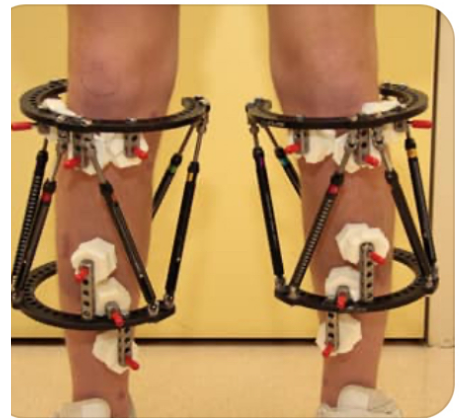


أعجبني رد تم التعديل 10

Aya Kotkot

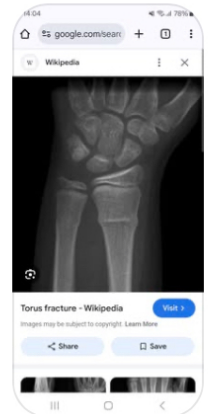
Lejan Aldofaat

Name and 2 disadvantages?



أعجبني رد 10

Yanal Ashour



... +1 **مسؤول** **كاتب** Lejan Aldofaat
Ortho-8



1ي أعجبنى رد

مسؤول **Shahed Atiyat** ★ مساهم صاعد



Lejan Aldofaat

Q1:

An X-ray image showing an open book fracture of the pelvis.

A- What is the diagnosis?

B- What is the immediate next step in management?



1٧س أعجبنى رد

مسؤول **Shahed Atiyat** ★ مساهم صاعد



Q2:

An X-ray image of the hand.

Identify the bones labeled on the X-ray:

1٧س أعجبنى رد

مسؤول **Shahed Atiyat** ★ مساهم صاعد



Q3:

Two fractures are presented.

Classify the fractures using the Salter-Harris classification.

A- Type 2

B- Type 3

1٧س أعجبنى رد



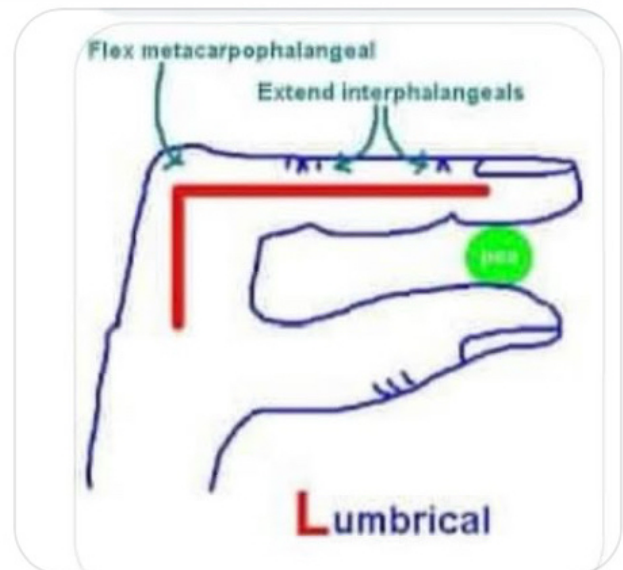
Q4:
An X-ray of a 14-year-old athlete is presented. Showing Osgood Schlatter.
A. What is the diagnosis?
B. How would you manage this patient?



١٧ س أعجبي رد



... Q5:
A. Which muscle is responsible for this action?
B. What is the nerve supply to this muscle?



١٧ س أعجبي رد



... Q6:
Name two radiological findings:
A. Codman triangle
B. Sunburst sign

مسؤول ★ مساهم صاعد Shahed Atiyat

Q6:

Name two radiological findings:

- A. Codman triangle
- B. Sunburst sign



١٧ س أعجبني رد

مسؤول ★ مساهم صاعد Shahed Atiyat

Q7:

A clinical scenario describes a child presenting to the Emergency Room with fever, irritability, and inability to bear weight (septic arthritis)

A- How and when to manage this patient?

C- Mention 2 potential complications if this condition is left untreated.

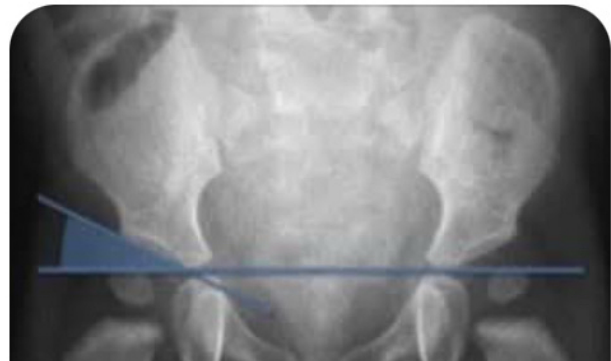
١٧ س أعجبني رد تم التعديل

مسؤول ★ مساهم صاعد Shahed Atiyat

Q8:

Given this X-ray of a 4-month-old girl.

- A. Identify the pointed angle.
- B. Name other measurements used for DDH screening.
- C. Management?



Q9:

Name the dermatomes corresponding to the pointed areas shown in the image.

A- L2

B- L3

C- L5



مسؤول ★ مساهم صاعد Shahed Atiyat

Q12:

X-ray for a 70 yo female patient with scoliosis..

1. Type of scoliosis? Degenerative Scoliosis

2. Next step? MRI

١٧ س أعجبي رد

١٧ س أعجبي رد

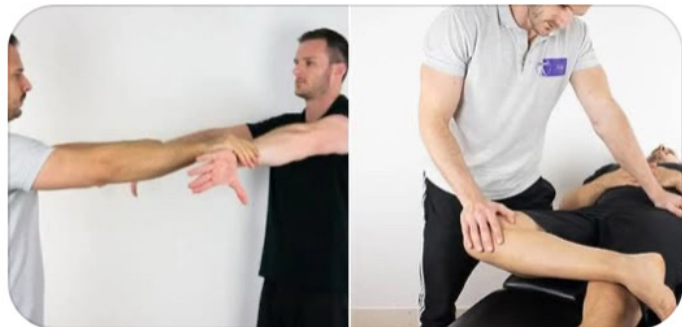
مسؤول ★ مساهم صاعد Shahed Atiyat

Q10:

... Name the tests shown in the images:

A. Empty can test

B. Patrick (FABER) test



١٧ س أعجبي رد

مسؤول ★ مساهم صاعد Shahed Atiyat

Q11:

A patient presents with an open fracture and hypotension.

A. What is the immediate next step in management?

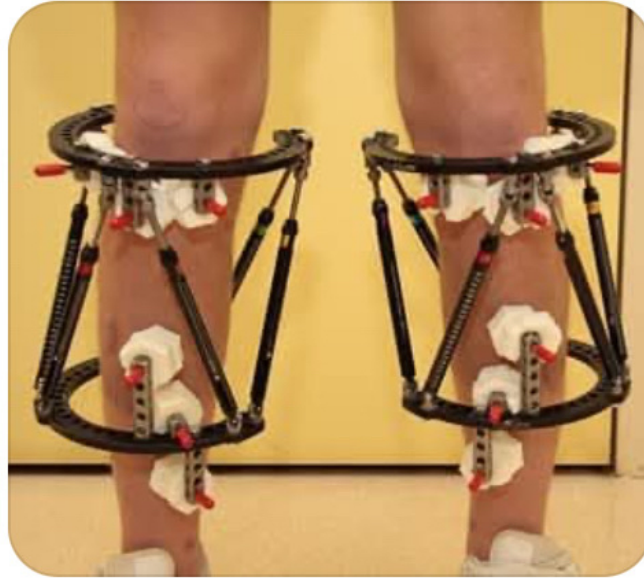
B. Gustilo classification?

C. Name one complication of open fractures.

★ مساهم صاعد مسؤول Shahed Atiyat

Q13:

- A.
- B. 2 Indication for using this?
- C. Complications?



١٧ س أعجبي رد

★ مساهم صاعد مسؤول Shahed Atiyat

Q14:

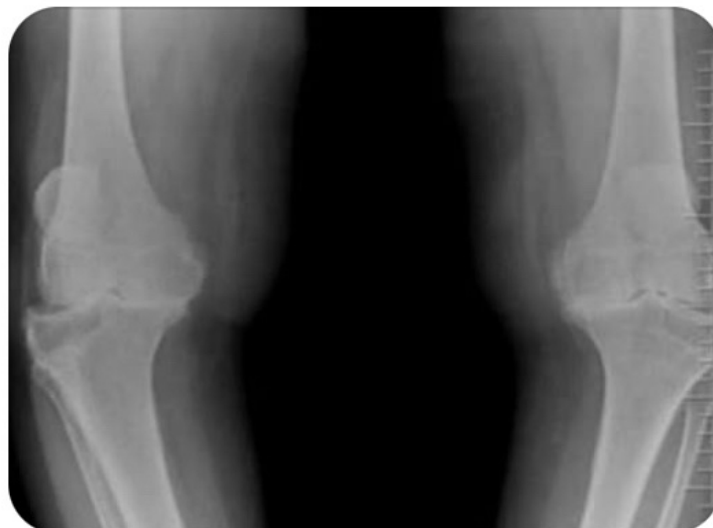
- Case scenario indicating ACL injury...
- A. Diagnosis? ACL injury
- B. Test to do? Lachman test

١٧ س أعجبي رد

★ مساهم صاعد مسؤول Shahed Atiyat

Q15:

- Osteoarthritis case..
- A. 2 X-ray findings?
- B. Treatment?



★ مساهم صاعد مسؤول Shahed Atiyat



Q16:

...

Tibial plateau fracture x-ray

A. Type of reduction? Anatomical

B. Type of stability? Absolute



١٧ س أعجبي رد

★ مساهم صاعد مسؤول Shahed Atiyat



Q17:

...

1. Diagnosis?

2. What is the affected structure?



١٧ س أعجبي رد تم التعديل

Shahed Atiyat **مسؤول** ★ مساهم صاعد

Q18: club foot case

- A. What is the following deformity?
B. Is it congenital?.
C. Management?



١٧ س اعجبني رد

Shahed Atiyat **مسؤول** ★ مساهم صاعد

Q19:

- A. Diagnosis? SCFE
B. Treatment?



١٧ س اعجبني رد



Lejan Aldofaat
Ortho-10

...

أعجبني رد 3 أ

Ahmad Ashour



Lejan Aldofaat case with this images ?

- ...
1. diagnosis? felon
 2. complications if non treated? osteomyelitis/necrosis of finger pad



أعجبني رد 3 أ

Ahmad Ashour



Lejan Aldofaat Lejan Aldofaat

- ...
1. What's the material used in this cast ? 🧑🏻
 2. two instructions to the patient before he leaves the ER?



أعجبني رد 3 أ

Ahmad Ashour



Lejan Aldofaat 1. Name the bones in the foot:

- A. cuboid
- B. Navicular
- C. 5th metatarsal

2. Name the innervation of upper limb:

- A. Axillary
- B. Median
- C. Ulnar

3. Name the fracture:

3. Name the fracture:

- A. subtrochanteric
- B. supracondylar
- C. Torus

4. Child comes to er can't bear wt, in pain etc... (septic arthritis past q)

- A. Name investigations: ESR, CRP...
- C. Management? Antibiotics + drainage

5.X-ray Pic of osteochondroma :

- A. Describe?
- B. Dx ?

6. Club foot image (past q)

- A. Deformities? CAVE
- B. TX? serial ponsetti cast

7. 70 yo female presents with the following image (scoliosis past q)

- A. Dx? Degenerative scoliosis
- B. Another investigation ?MRI

8. Name innervation in the following:

- A. Ok sing (median)
- B. Pic of foot dorsiflexion (deep peroneal nerve)

9.case of ACL injury

- A.Which structure is effected ?
- B.most sensitive test? lachman test

10. 51 yo presents with knee pain (x-ray)

- A. Dx? Osteoarthritis
- B. Best Surgical tx? Total knee replacement

11. Basketball player fell on ankle in this position (pic of ankle in inversion position)

- A. Which ligament is injured? anterior talofibular ligament
- B. Tx? RICE (rest / ice / compression / elevation)?

12. RTA open fracture pic

- A. Initial tx?
- B. Grade (gustilo classification)?

... **Lejan Aldofaat** Pt presented with thigh pain that increases with dorsiflexion of the foot? Dx: Compartment syndrome, MX: Fasciotomy

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3 أ أعجبني رد

... **Lejan Aldofaat**
A pic of a club foot deformity and asks about the Dx and Mx (Serial Casting)

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... **Lejan Aldofaat**
A Picture of tests and asks about their names: (Hawkins, McMurray, I think there's another one but can't recall it)

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... **Lejan Aldofaat**
Name the deformities: one of them was hallux valgus, forgot the others

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