2017 OMA Sport and Exercise Medicine
RADIOLOGY QUIZ

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Acknowledgement

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54 year old M presents with L knee pain after a soccer injury

Which of the following is visible on his x-ray?

A) Segond fracture
B) Vascular calcification
C) Pellegrini-Stieda lesion
D) Reverse Segond fracture
Question 2

A 13 year old boy presents to the ED after being thrown from a sled. His body weight fell on his foot, which was plantar flexed and inverted. He has an antalgic gait and lateral bruising.

What is the diagnosis?

A) Maisonneuve Fracture
B) Lisfranc Injury
C) March Fracture
D) **Chopart’s Fracture Dislocation**
Question 3

16 year old F rugby player presents with acute pain and swelling over the volar aspect of the DIP joint and distal phalanx

What is the Leddy and packer’s Grading Scheme of this injury?

A) Type 1  
B) Type 2  
C) Type 3  
D) Type 4
Question 4

36 year old M with R elbow pain, no trauma, C/O loss of full elbow flexion

The following image is consistent with which diagnosis?

A) Synovial Chondrosarcoma
B) **Primary Synovial Chondromatosis**
C) Siderotic Synovitis
D) Pigmented Villonodular Synovitis
Question 5

67 year old M golfer presents with L sided groin discomfort that is affecting his ability to drive the ball

Which diagnosis is seen on the following image?

A) Femoroacetabular Impingement
B) Osteitis Pubis
C) Stress Fracture
D) Osteoarthritis
CAM deformity / bony bump anterior aspect of left femoral head neck junction
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MRI
CAM deformity
Labral tear
Chondrosis

CAM type FAI
Question 6

18 year old football player is not cleared to return to play due to the following imaging

Which diagnosis is present?
A) Cervical spine subluxation
B) Cervical spine fracture
C) Spear Tackler’s Spine
D) Atlanto-axial instability
Question 7

24 year old F presents with medial knee pain following an awkward twist while playing lacrosse.

Which factor predisposes her to the finding on the following image?

A) Trochlear Groove Dysplasia
B) Osteocondral defect of the lateral femoral condyle
C) Hypertrophy of the vastus lateralis
D) Lateralization of the tibial tuberosity
Mechanism of Patellar Dislocation
Question 8

28 year old M, previous high school and college baseball catcher presents with persistent R shoulder pain and difficulty with overhead activities

Which Os Acromiale subtype is the following image?

A) pre-acromial
B) **meso-acromial**
C) meta-acromial
D) basi-acromial
Question 9

A 33 y o F snowboarder presents with L forearm pain after landing hard on her side while attempting a halfpipe trick jump.

Name the fracture!

A) Galeazzi  
B) Barton  
C) Monteggia  
D) Essex-Lopresti
GRUesome MURder

• GRUesome MURder assists remembering which bone is firstly fractured and then secondly which is dislocated:

• **G**: Galeazzi **R**: radius fracture **U**: ulna dislocation
• **M**: Monteggia **U**: ulna fracture **R**: radial head dislocation
Question 10

40 year old M presents with pain and locking of the L knee. He plays recreational basketball in a men’s league but does not remember a specific traumatic event.

What is the most likely diagnosis?

A) Osteochondritis dissecans
B) Osteochondral impaction fracture
C) Medial Plica Syndrome
D) Irregular distal femoral epiphyseal ossification
Resources:

• http://www.orthobullets.com/hand/6015/jersey-finger
• http://radsource.us/flexor-tendon-injuries/
• https://radiopaedia.org/articles/pellegrini-stieda-lesion-1
• http://boneandspine.com/pellegrini-stieda-syndrome/
• http://www.nejm.org/doi/full/10.1056/NEJMicm040406#t=article
• https://radiopaedia.org/articles/patellar-instability
• http://radsource.us/transient-lateral-patellar-dislocation/
• http://radsource.us/os-acromiale/
• https://radiopaedia.org/articles/chopart-fracture
• http://www.aafp.org/afp/1998/0701/p118.html

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- https://radiopaedia.org/articles/bosworth-fracture
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• http://emedicine.medscape.com/article/1231438-overview
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