2017 OMA Sport and Exercise Medicine RADIOLOGY QUIZ

Dr. Ali Rendely
Resident Representative – PGY2
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Acknowledgement

Dr. R. Bleakney

• Assistant Professor
  • Department of Medical Imaging, University of Toronto

• Division Head and Staff Radiologist,
  • Division of Musculoskeletal Imaging

• Supervisor, Musculoskeletal Imaging Fellowship Program

• Mount Sinai Hospital and the University Health Network
Question 1

54 year old M presents with L knee pain after a previous 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
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) Bosworth fracture
B) Lisfranc Injury
C) March Fracture
D) Chopart 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
Question 6

18 year old M 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
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
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://radsource.us/flexor-tendon-injuries/
- https://radiopaedia.org/articles/pellegrini-stieda-lesion-1
- https://radiopaedia.org/articles/patellar-instability
- http://radsource.us/transient-lateral-patellar-dislocation/
- http://radsource.us/os-acromiale/
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Resources:

- https://radiopaedia.org/articles/bosworth-fracture
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3445180/
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- https://radiopaedia.org/articles/osteochondritis-dissecans
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