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## Subject ,Rerional and Radiolgical Anatomy 2

## Bs ,Radiology 4th Semester

## 

## Q1

## [A] Tubercle

### Definiton ,

The small rounded projection or protuberance especially on a bone or the surface of organisms but medical level tubercle is small nodular lesion in the lungs or other tissues characteristic of tuberculosis

## Explanation

Tubercle is a small rounded point of a bones, it is also refers to a nodule attached to bone , mucous membrane or skin irritation due to TB infection

## Examples

Tubercle of ribs , knee , hip , etc

## [B] Tuberosity

## Definition

A rounded prominence projection or protuberance of a bone which in the attachment of bone with muscles or ligaments is known as tuberosity

Fracture occurs by two method in tuberosity

[1] Greater tuberosity fracture

[2] Lesser tuberosity fracture

## [C] Condyle

## Definition,

A rounded prominence at the end of bone most often for articulation with other bones is known as condyle

It mostly occurs in the long bones and more prominent than epicondyle

# [ P ,T ,O ]

# [D] Eminence

Eminence means the high station or rank

# Definition

The condition of being well known and respected scientist had earned eminence in her field

# OR

The piece of high ground or hill

# [E] Malleolus

# Definition

A bony projection with a shape likened to a hammer head especially on either side of the ankle is known as malleolus

Each leg is supported by two bone tibia and fibula

# Q2

# Tennis Elbow

# Definition ,

The condition in which the lateral epicondyle of the humerus is degenerate or tear is known as tennis elbow

It is common in tennis players and violinists

# Symptoms

1] pain in humerus

2] tenderness in humerus

3] pain in forearm etc

# Mallet finger

# Definition

The avulsion of the insertion of one of the extensor tendons in to the distal phalanges can occur if the distal phalanx is forcibly flexed when the extensor tendons is taut is known as mallet finger

It also known as baseball finger

# Causes

It mostly takes place in players such as hockey , volley ball , cricket and foot ball players etc

# Q3

# Vein Name

The common of the vein is brachial vein

# Location

The radial veins are the paired veins that accompany the radial artery through the back of the hand and the lateral aspect of the forearm.

They join the ulnar veins to form brachial vein

# Q5,

# Cruciate ligaments

# Definition

The pairs of ligaments arranged in the letter X form is known cruciate ligaments

It is also known as cruciform ligaments and mostly occur in several joints of the body

# Tear of cruciate ligaments

# Definition

The injury of cruciate ligaments it is known as tear of cruciate ligaments

# Symptoms

1] knee joint loss weight bearing capacity

2] person do not able to walk

3] legs bends to the side

4] person do not able to stretch their legs

5] pain in the knee joint

6] swelling of knee joint

# Causes

1]sudden stop during running

2]unuselly movement

3] during sport

4 injured during jump etc

# Reason

1] loss of synovial membrane due to decreas of synovial fluid

2]loss of menisci in which bone to bone contact takes placed

3] loss of cartilage

# Treatment

1] The permanent treatment is surgery as arthroscopy

2] it is also treated by pneumoarthrography

3] physical examination such as MRI

# Q4

# Fractured

The injury is due to fractured of proximal humerus head so axillary is damaged

# Blood supply to axilla downward

The axillary artery arise from subclavium artery and at the lower border of the axillary is then from brachial artery

Axillary artery is then divided into ulnar and radius artery downward , so his main axillary artery is damaged therefore no pulse is found in his arm downward from axilla ,

# Q6

# Metatarsal fracture

The base of the fifth metatarsal can be fractured during forced inversion of the foot at which time the tendon of insertion of the fibularis brevis muscle pulls off the base of the metatarsal

Stress fracture of metatarsal bone is common in runners and after long period of walking it mostly occur in the distal third of the second , third or fourth metatarsal bone

Minimal displacement occurs because of the attachment of the interosseous muscle

# Causes

1] Running

2] long period of walking

3] jumping

4] different sport

# Symptoms

Pain in the foot is the symptom of the metatarsal fracture