



UNIVERSITY OF NAIROBI
DEPARTMENT OF ORTHOPAEDIC SURGERY
END OF ROTATION YEAR 6 MCQ C.A.T

PRAB SEHMI
5B ANSWERSSS

LEVEL 6 GROUP A1 - A6

DATE: MONDAY OCTOBER 01, 2018

M.C.Q

TIME: 8.00 A.M TO 12. NOON

REGISTRATION NO: _____

INSTRUCTIONS: ANSWER ALL QUESTIONS. ONLY ONE ANSWER IS CORRECT

1. Brown tumor of bone is seen in -
- a) **Hyperparathyroidism**
 - b) Hypoparathyroidism
 - c) Hypothyroidism
 - d) Hyperthyroidism
 - e) Hyperpituitarism
- A
2. Callus is usually profuse in children because -
- a) **The periosteum is easily stripped from bone by extravasated blood allowing bone formation beneath it**
 - b) The bone vascularity is better
 - c) Periosteum is thick and firmly attached to cortex
 - d) Volkmann's canals are absent in bones of a child
 - e) Paediatric bones are more elastic.
- A
3. Avascular necrosis is commonly seen in fracture of the -
- a) Calcaneus
 - b) **Talus**
 - c) Olecranon
 - d) Head of radius
 - e) Supracondylar fracture humerus
- B
4. Spontaneous rupture of the Achilles tendon in an 18 year- old male is most likely to be due to excess stress beyond -
- a) **Tendon strength**
 - b) Bone strength
 - c) Muscle strength
 - d) Musculotendinous junction strength
 - e) Quinolone misuse
- A

5. The most common presentation of congenital dislocation of the knee is -
- a) Varus
 - b) Valgus
 - c) Coxa brevia
 - d) Hypertension
 - e) Flexion
- D
6. In painful shoulder all the following lesions can be present except -
- a) Subacromial bursitis
 - b) Complete tear sartorius
 - c) Fracture greater tuberosity
 - d) Rotator cuff injury
 - e) Biceps tendonitis
- B
7. When a person falls from height and lands on his feet, the chances of spinal injury are quite high. The area of vertebral column most likely to be injured is -
- a) C-Spine
 - b) Dorsolumbar
 - c) Coccyx
 - d) Lumbosacral
 - e) Thoracic
- B
8. Foot drop is seen following injury to -
- a) Sural nerve
 - b) Femoral nerve
 - c) Lateral popliteal nerve
 - d) Tibial nerve
 - e) Lateral cutaneous nerve
- C
9. A positive Apley's grind test is demonstrated in injury to -
- a) Anterior cruciate ligament
 - b) Menisci
 - c) Posterior cruciate ligament
 - d) Avulsion of intercondylar eminence
 - e) Lateral Collateral ligament
- B
10. Which of the following is not seen in chronic regional pain syndrome -
- a) Anhydrosis
 - b) Pain
 - c) Swelling
 - d) Osteoporosis
 - e) Skin discoloration
- A
11. Septic arthritis encountered in HIV + ve intravenous drug abusers is usually caused by -
- a) Staph aureus
 - b) Opportunistic fungi
 - c) Salmonella
 - d) Pseudomonas
 - e) Mycobacterium
- A

12. The drug of choice in the treatment of actinomycotic infection of the skeletal system is -

- a) Ciprofloxacin
- b) Tetracycline**

B

- c) Chloramphenicol
- d) Amphotericin B
- e) Amphotericin B and Fusidic acid Combination

13. The most common sequelae of tuberculous spondylitis in an adolescent is -

- a) Fibrous ankylosis
- b) Bony ankylosis**

B

- c) Pathological dislocation
- d) Chronic osteomyelitis
- e) Growth disturbance

14. In acute suppurative arthritis, articular cartilage is eroded and destroyed by -

- a) Bacterial enzymes
- b) Synovium enzymes
- c) Enzymes in pus**
- d) Halide myeloperoxidase enzymes system

E

- e) All of the above**

15. The classical sabre tibia is seen in -

B a) HIV **Late sign of congenital syphilis**

- b) Syphilis**
- c) Gonococcal infection
- d) Garre's sclerosing osteomyelitis
- e) Staph aureus

16. The ideal treatment for post-operative infection after internal fixation of a fracture is -

- a) Removal of fixation device immediately
- b) Fixation device should be retained till fracture unites as far as possible**

C

- ~~c) Remove the implant and refix after infection settles~~
- d) Give more stability to fracture by external fixation
- e) Apply vacuum dressing

17. Radiologically subacute osteomyelitis may resemble :-

- a) Enchondroma
- b) Chondroma**
- c) Aneurysmal bone cyst
- d) Osteoid osteoma**
- e) Ewing sarcoma

+

D

18. A bone commonly affected by hydatid disease is -

- a) Mandible
- b) Tibia**
- c) Scapular
- d) Rib**
- e) Calcaneus

B

19. The nucleus currently used for MRI studies is :-

- a) Nitrogen
- b) Oxygen
- C) Hydrogen**
- d) Fluoride
- e) Proton

20. Which of the following factors can increase osteogenic response to fracture :-

- a) Smoking
- b) Associated head injury**
- c) Use of steroids
- d) Old age
- e) Vitamin B - Series

B

21. On the medical research council scale, the power of muscle with the movement with gravity eliminated is graded as :-

- a) Gr 1
- b) Gr 2**
- c) Gr 3
- d) Gr 4
- e) Gr 5

B

22. In which diagnostic procedure is maximum radiation exposure experienced :-

- a) Plain x-ray
- b) Contrast x-ray
- C) Rib scan**
- d) Myelography**
- e) Phlebography

C

23. Which DMARD is the drug of 1st choice in Rheumatoid Arthritis?

- a) Sulfasalazine
- b) Antimalarial
- C) Methotrexate**
- d) D Penicillamine
- e) Prednisolone

C

24. The chief cause of morbidity in juvenile rheumatoid arthritis is -

- a) Involvement of C1 - C2 joint
- b) Involvement of the hip
- ~~c) Involvement of the knee~~
- d) Involvement of the hand
- e) Iridocyclitis

C

25. In gout patients with renal complications, the drug of choice is -

- a) Colchicine
- b) Allopurinol**
- C) Probenecid**
- d) Sulfinpyrazone
- e) Methylprednisolone

C

26. Which of the following is the most radiosensitive tumor :-
a) Osteosarcoma
b) Ewings sarcoma ✓
B c) Osteoblastoma
d) Giant cell tumor
e) Chondrosarcoma
27. The age group in which osteogenic sarcoma most commonly occurs is :-
a) 1 - 10 years
b) 10 - 20 years
B c) 20 - 30 years
d) 30 - 40 years
e) 50 - 60 years.
28. Onion - peel appearance on x - ray is suggestive of :-
a) Osteogenic sarcoma
b) Ewing sarcoma
B c) Osteoclastoma
d) Chondrosarcoma
e) Fibrosarcoma
29. Shepherd's crook deformity of the proximal femur occurs in :-
a) Fibrous dysplasia
B c) Fracture neck of femur
d) Chondrosarcoma
e) Osteosarcoma
30. Metastases from which organ is ideal for hormone treatment with stilbestrol :-
a) Breast
b) Prostate
B c) Thyroid
d) Adrenal
e) Lung
31. Which of the following ossification centres about the elbow is the first to appear :-
a) Radial head
b) Olecranon
c) Capitellum
C d) Medial condyle
e) Lateral condyle
32. Postero - lateral anconeus triangle is formed by :-
a) Head of radius, lateral epicondyle, medial epicondyle
b) Head of radius, lateral epicondyle, olecranon
c) Olecranon, medial epicondyle, neck of radius
B d) Neck of radius, head of radius, lateral epicondyle
e) Lateral column humerus, olecranon and neck of radius.

33. The first sign of compartment syndrome is -

- a) Paralysis
- b) **Passive extension of fingers** ✓
- c) Pain on active extension of fingers
- d) Swelling of fingers
- e) Poikilothermia

B

34. If the head of the radius is removed, it will result in -

- a) Lengthening of the limb
- b) Shortening of the limb
- c) **Valgus deformity**
- d) Varus deformity
- e) **No deformity**

C

35. Following a fracture of both forearm bones at same level, the best position of the arm in plaster is

- a) Full supination
- b) 10 degree supination
- c) Full pronation
- d) **Mid-pronation**
- e) Any position

D

36. Hand shaking cast is used in -

- a) **Coles fracture**
- b) Barton fracture
- c) Volkmann's fracture
- d) Radial styloid fracture
- e) Trifibrocartilage complex injury

A

37. Stellate ganglion block is useful in -

- a) **Sudeck's osteodystrophy**
- b) Compound palmar ganglion
- c) Tenosynovitis
- d) Osteoarthritis of fist CMC joint
- e) Osteopetrosis

A

38. The commonest cause of spinal cord injury in our country is -

- a) **PTU traffic accident**
- b) **Fall from a height**

A

- c) Fall into a well
- d) House collapse
- e) Terrorism

39. Tear drop fracture of lower cervical spine implies -

- a) Wedge compression fracture
- b) **Flexion axial compression fracture**
- c) Flexion-rotation injury with failure of anterior body
- d) **Flexion-compression failure** of body
- e) **Extension of neck**

D

40. All the following names are associated with tests around the hip except :-

- a) Bryant
- b) Shenton
- c) Thomas
- d) Murray ✓
- e) Nelaton

D

41. Trendelenberg test is positive in injury to :-

- a) Superior gluteal nerve ✓
- b) Inferior gluteal nerve
- c) Obturator nerve
- d) Tibial nerve
- e) Common peroneal nerve

A

42. All the following are commonly involved sites in pelvic fracture except :-

- a) Pubic rami
- b) Alae of ileum
- c) Acetabulum
- d) Iliac tuberosity ✓
- e) Anterior Column

D

43. Best treatment for fracture neck femur in a 65 year old lady is :-

- a) Pop - hip spica
- b) Gectomy
- c) Bone grafting
- d) Hemiarthroplasty ✓
- e) Multiple screws

D

44. Site for 1st order bone grafting is :-

- a) Iliac crest ✓
- b) Tibia metaphysis
- c) Medial malleolus
- d) Femoral condyle
- e) Greater trochanter

A

45. In closed method of amputation which structure is kept shorter than the level of amputation :-

- a) Bone
- b) Muscle
- c) Nerve ✓
- d) Skin
- e) Fascia

C

46. Positive pivot shift test in the knee is because of injury of the :-

- a) ACL ✓
- b) PCL
- c) Posterolateral corner
- d) Medial meniscus
- e) Lateral meniscus

A

- c) Vitamin D - Supplement
d) Traction
e) Bone grafting
55. Treatment of chronic cases of CTEV is :- More than 10 yearz
- A a) Triple arthrodesis ✓
b) Amputation
c) Dorso medial release
d) Shoe modification
e) Illizarov.
56. Sprengel's shoulder is due to deformity of the :-
- A a) Scapula ✓
b) Humerus
c) Clavicle
d) Vertebrae
e) All of the above.
57. Epiphyseal dysgenesis is seen in :-
- a) Rheumatoid arthritis
b) Still's disease
c) Down's syndrome
D d) Hypothyroidism ✓
e) Hypogonadism.
58. Bone growth is influenced maximum by :-
- a) Thyroxine
B b) Growth hormone ✓
c) Parathormone
d) Estrogen
e) Vitamin D.
59. Which of the enzymes differentiate osteoclasts from osteoblasts :-
- a) Alkaline phosphatase
B b) Acid phosphatase ✓
c) Deoxyribonuclease
d) Myeloperoxidase
e) None of the above.
60. A patient presents with heterotrophic ossification around both knee joints, the laboratory investigation of choice is :-
- B a) Serum calcium
b) Serum alkaline phosphatase ✓ Calcification is phosphatase
c) Serum phosphorous
d) Serum acid phosphatase
e) Serum parathormone