

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION – FEBRUARY 2014

Date :- 24th February 2014

Time :- 2.00 p.m. – 4.00 p.m.

PAPER I

Answer **all four (04)** questions.

Answer each question in a separate book.

1.

- 1.1. Enumerate the extra osseous complications of pelvic fractures.
- 1.2. Discuss the principles of management of genito-urinary and gastrointestinal complications of pelvic fractures.

2.

- 2.1. Describe the blood supply and function of medial and lateral meniscus.
- 2.2. Discuss the biomechanical importance of meniscal preservation.

3. Write notes on

- 3.1. Ceramics in orthopaedics
- 3.2. Methicillin Resistant *Staphylococcus aureus* (MRSA)

4. A 5 year old child presents with a limp. There is no history of trauma. Discuss history, examination, investigations and differential diagnosis of this child.

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (ORTHOPAEDIC SURGERY) EXAMINATION – FEBRUARY 2014

Date :- 25th February 2014

Time :- 9.30 a.m. – 11.30 a.m.

PAPER II

Answer **all four (04)** questions.

Answer each question in a separate book.

1. A 45 year old male front seat passenger in a car is admitted to emergency department following a road traffic accident with posterior dislocation of the right hip. He has no other injuries.
 - 1.1. How would you assess this patient radiologically?
 - 1.2. Outline the acute management of this injury.
 - 1.3. Discuss the definitive management and complications of posterior dislocation of the hip with posterior acetabular wall fracture.

2. A 25 year old male who underwent anterior cruciate ligament reconstruction using an autograft four weeks ago, presents with pain and swelling of his right knee of five days duration. His surgical wounds have healed well and he has no other co-morbidities.
 - 2.1. Outline the differential diagnosis.
 - 2.2. Discuss the management of this patient assuming he has infection.

Contd..../2-

3.
 - 3.1. A 64 year old manual worker presents with a gradually increasing flexion deformity of his right ring finger over last 8 months. He is diagnosed as having Dupuytren's contracture involving the metacarpophalangeal and proximal interphalangeal joints of his right ring finger.
 - 3.1.1. What other conditions are associated with Dupuytren's contracture?
 - 3.1.2. How could you treat this condition?
 - 3.1.3. How would you counsel this patient pre-operatively?
 - 3.1.4. What are the possible complications of your procedure?
 - 3.2. A 10 year old healthy boy presented with painless swelling of his right shoulder, noted by his parents recently. Radiographs revealed a "simple bone cyst" in the proximal humeral metaphysis with no growth plate involvement.
 - 3.2.1. Describe radiological features of simple bone cyst.
 - 3.2.2. What are the treatment options?
4. A 65 year old male presents with osteoarthritis of the left ankle. He has a non infected severe varus malunion of a mid shaft tibial fracture in the same leg. He is otherwise well.
 - 4.1. Outline treatment options for this patient.
 - 4.2. Describe the pros and cons of different techniques of ankle fusion. Include post operative management.
 - 4.3. What are the complications of ankle fusion?