

Orthopedics INI-25 (May) Reworked

Subject: Orthopaedics

Topic: Spinal Tuberculosis

Subtopic: Diagnostics (WHO-recommended tests)

Question Number: 1

Non-clinical Question:

According to the WHO, which investigation is included in the diagnosis of TB spine?

Options:

- A) X-ray
- B) CT scan
- C) CBNAAT (Xpert MTB/RIF)
- D) Culture and sensitivity

Correct Answer: C) CBNAAT (Xpert MTB/RIF)

Subject: Orthopaedics

Topic: Peripheral Nerve Injury

Subtopic: Nerve Grafting—Indications & Materials

Question Number: 2

Non-clinical Question:

Which of the following is true regarding nerve grafting?

Options:

- A) Used to repair peripheral nerves
- B) Used in facial nerve repair
- C) Fibrin glue is used during repair
- D) Anterior interosseous nerve and saphenous nerve used as graft

Correct Answer: A) Used to repair peripheral nerves

Subject: Orthopaedics

Topic: Hip Fractures

Subtopic: Intertrochanteric (IT) fracture—elderly management

Question Number: 3

Non-Clinical Question:

What is the preferred treatment for an intertrochanteric fracture in a 72-year-old female?

Options:

- A) Hemiarthroplasty
- B) Intramedullary nail
- C) ORIF with plating
- D) Boot and bar

Correct Answer: B) Intramedullary nail

Subject: Orthopaedics
Topic: Osteomyelitis
Subtopic: Causative organisms
Question Number: 4

Non-Clinical Question:

Which of the following organisms is **very rarely** involved in chronic osteomyelitis?

Options:

- A) Streptococcus
- B) Escherichia coli
- C) Klebsiella
- D) Mycobacterium tuberculosis

Correct Answer: D) Mycobacterium tuberculosis

Subject: Orthopaedics
Topic: Bone Tumors
Subtopic: Classic radiographic signs
Question Number: 5
Question:

Which tumour is associated with **Codman's triangle** and **sunburst** appearance?

Options:

- A) Osteosarcoma
- B) Ewing's sarcoma
- C) Giant cell tumour (GCT)
- D) Chondrosarcoma

Correct Answer: A) Osteosarcoma

Subject: Orthopaedics
Topic: Wrist Injuries
Subtopic: Suspected scaphoid fracture—initial management
Question Number: 6
Clinical Question:

A laborer falls on an outstretched hand and has **anatomical snuffbox tenderness**. What is the most appropriate next step?

Options:

- A) Prescribe NSAIDs and discharge
- B) MRI of wrist
- C) Thumb-spica cast and follow-up after 10–14 days
- D) CT scan of wrist

Correct Answer: B) MRI of wrist

Subject: Orthopaedics

Topic: Rheumatoid Cervical Spine

Subtopic: Myelopathy in RA

Question Number: 7

Clinical Question:

A patient with rheumatoid arthritis presents with neck pain and signs of **myelopathy**. What is the most likely diagnosis?

Options:

- A) Osteoarthritis of vertebrae
- B) C2–C3 intervertebral stenosis
- C) Atlantoaxial dislocation
- D) Disc herniation

Correct Answer: C) Atlantoaxial dislocation

Subject: Orthopaedics

Topic: Metabolic/Insufficiency Fractures

Subtopic: MRI signs

Question Number: 8

Non-Clinical Question:

The Honda sign on the short tau inversion recovery (STIR) MRI is seen in:



Options:

- A) Transient marrow edema
- B) Acute osteomyelitis
- C) Sacral insufficiency fracture
- D) Multiple myeloma

Correct Answer: C) Sacral insufficiency fracture

Subject: Orthopaedics

Topic: Pediatric Bone Lesions

Subtopic: Lytic lesions in childhood

Question Number: 9

Non-Clinical Question:

Which of the following tumors in childhood cannot be associated with lytic bone lesions and pain while walking?

Options:

- A) Metastatic retinoblastoma
- B) Ewing's sarcoma
- C) Metastatic neuroblastoma
- D) Metastatic clear-cell renal carcinoma

Correct Answer: D) Metastatic clear-cell renal carcinoma