

LAQs on Fracture Patella and Distal Femur Fracture

1. A 30-year-old man presents to the emergency department after a road traffic accident with severe pain, swelling around the knee and inability to extend the knee.

Questions:

What is the most likely diagnosis?

Describe the mechanism of injury and classification of patellar fractures.

Explain the clinical examination and radiological investigations.

Discuss the management of displaced patellar fractures.

2. A 65-year-old woman slipped in the bathroom and landed directly on her knee. She is unable to perform a straight-leg raise.

Questions:

Explain the mechanism of injury.

Describe the clinical features.

How will you investigate the patient?

Discuss conservative and operative management.

3. A motorcyclist presents with an open wound over the anterior aspect of the knee and active bleeding.

Questions:

Classify open fractures.

Describe emergency management.

Discuss definitive treatment.

Mention complications.

4. A 35-year-old laborer presents with severe knee pain and radiographs reveal a comminuted patellar fracture.

Questions:

Classify patellar fractures.

Discuss the indications for surgery.

Describe operative procedures.

Mention complications.

5. A patient presents with extensor lag after a direct blow to the knee.

Questions:

Explain the anatomy of the extensor mechanism.

Describe the clinical examination.

Discuss management options.

Outline rehabilitation.

6. A patient presents with painful swelling of the knee after a fall.

Questions:

Explain the causes of hemarthrosis.

Describe clinical examination.

Discuss investigations.

Outline treatment.

7. A patient treated conservatively for a patellar fracture presents six months later with persistent pain and extensor lag.

Questions:

Define non-union.

Explain the causes.

Discuss management.

Mention complications.

8. A football player sustains a twisting injury to the knee associated with patellar fracture.

Questions:

Describe the mechanism of injury.

Discuss the clinical examination.

Mention investigations.

Outline management.

9. A 28-year-old man presents with pain, swelling and deformity around the knee after a road traffic accident.

Questions:

Classify distal femur fractures.

Describe clinical examination.

Discuss radiological evaluation.

Outline management.

10. A patient presents with deformity around the knee and absent distal pulses.

Questions:

Describe neurovascular examination.

Discuss emergency management.

Explain investigations.

Outline definitive treatment.

11. A patient with supracondylar femur fracture complains of severe pain and pain on passive movement of the toes.

Questions:

Define compartment syndrome.

Describe clinical features.

Explain emergency management.

Discuss surgical treatment.

12. A 35-year-old man presents after a dashboard injury. X-ray reveals an intercondylar fracture.

Questions:

Classify distal femur fractures.

Explain the mechanism of injury.

Discuss management.

Mention complications.

13. A 70-year-old woman slips and falls at home and sustains a distal femur fracture.

Questions:

Explain the mechanism of injury.

Discuss radiological investigations.

Describe management options.

Outline rehabilitation.

14. A patient presents with an open fracture distal femur following a high-velocity injury.

Questions:

Classify open fractures.

Describe emergency management.

Discuss definitive fixation.

Mention complications.

15. A patient with fracture distal femur develops breathlessness and petechial rash after 48 hours.

Questions:

Define fat embolism syndrome.

Describe clinical features.

Discuss emergency management.

Explain preventive measures.

16. A patient presents with foot drop following fracture distal femur.

Questions:

Describe examination of the common peroneal nerve.

Discuss investigations.

Explain management.

Mention complications.

17. A patient presents with absent dorsalis pedis and posterior tibial pulses after fracture distal femur.

Questions:

Describe vascular examination.

Mention investigations.

Discuss emergency management.

Explain definitive treatment.

18. A patient develops severe knee stiffness three months after surgery for distal femur fracture.

Questions:

Explain the causes.

Describe preventive measures.

Discuss management.

Outline rehabilitation.

19. A patient presents six months after distal femur fracture with persistent pain and abnormal mobility.

Questions:

Define non-union.

Explain the causes.

Discuss investigations.

Outline management.

20. A 25-year-old patient involved in a road traffic accident presents with head injury and distal femur fracture.

Questions:

Describe ATLS protocol.

Explain damage-control orthopaedics.

Discuss emergency management.

Outline definitive fracture treatment.
