MUSCULOSKELETAL PATHOLOGY MCQS:

1:     A retired footballer has several weeks of knee pain and stiffness. Early osteoarthritis is characterised by

A: pannus formation
B: proliferation of chondrocytes ✓
C: subchondral cystic change
D: subchondral sclerosis of bone

2.   Microbiology notify you of a joint aspirate growing Salmonella. Which comorbidity is the patient likely to have?
A: diabetes mellitus
B: intravenous drug user
C: otherwise innocent neonate
D: sickle cell disease ✓

3.   Uric acid crystals have precipitated in a gouty toe. Which cells are attracted?
A: eosinophils
B: lymphocytes
C: neutrophils ✓
D: plasma cells

4.   Which joints are frequently involved in rheumatoid arthritis?
A: cervical spine
B: hands ✓
C: hips
D: lumbar spine

5.   What is an effect of decreased oestrogen levels after menopause?
A: decreased bone formation ✓
B: decreased replicative activity of osteoprogenitor cells
C: decreased secretion of cytokines by bone marrow cells
D: increased bone resorption

6.   Which of these areas is most frequently affected by Paget's disease?
A: carpus
B: femur ✓
C: fibula
D: humerus

7.   A man presents for the sixth time since fracturing his ankle three weeks ago. He has again lost his Cam boot and his crutches and complains of pain on weight-bearing. He is at risk of
A: osteodystrophy
B: osteomalacia
C: pseudoarthrosis ✓
D: reactive arthritis

8.   A patient returns to clinic two weeks after having their Colles fracture immobilised in plaster. They have followed all instructions, so the expected change at the fracture site would be A: haematoma with fibrin mesh
B: lamellar bone
C: soft tissue callus
D: woven bone ✓

9.   A patient has avascular necrosis of the femoral head. What medication has she been taking?
A: corticosteroids ✓
B: heparin
C: methotrexate
D: vitamin D

10.   A febrile five year old is limping. Where is the most common site of osteomyelitis in this age group?
A: epiphysis
B: metaphysis ✓
C: subchondral
D: subperiosteal