



Orthopedic surgery , M408

Dr. Mohammed Abdel Kader

- 1- Metabolic bone diseases
 - a. Bone composition
 - b. Bone minerals
 - c. Types of bone mineral disorders
 - d. Clinical picture and investigations
 - e. complications
 - f. management
- 2- Bone osteoporosis
 - a. Definitions
 - b. Age related changes in bone
 - c. Risk factors
 - d. Types
 - e. Clinical picture and investigations
 - f. complications
 - g. prophylaxis and management
- 3- Patellofemoral disorders
 - a. Anatomy of patellofemoral joint(P-F)
 - b. Biomechanics of P-F joint& P-F stability
 - c. Types of P-F disorders
 - d. Causes of P-F disorders and instability

- e. Clinical picture and investigations
- f. complications
- g. management

4- Low back pain

- a. Anatomy of lumbar vertebrae
- b. Biomechanics of lumbar spines
- c. Causes of low back pain
- d. Clinical Diagnosis of the cause of low back pain
- e. Investigations
- f. Management

Instructions : Text include (cover page , objectives of the research , list of contents ,list of diagrams and pictures , titles in bold times new roman 18 , each paragraph not more than 6 lines times new roman 16 , references, numbering of pages). each one participation should be determined and illustrated.