

Drugs in Musculo Skeletal Disorders

Topic/ Concept	Objectives	Time	T/L activity	Dept.	Comments
3/SBM-06/01 Bone and cartilage - III	Student should be able to				
(b) Metabolic and endocrine and remodeling disorders (Osteoporosis, osteomalacia/rickets, Paget's diseases, hyperparathyroidism)	Basis of pharmacological management 1. List the drugs that are used in the treatment and prevention of osteoporosis 2. describe the mechanism of action, pharmacokinetics and adverse effects of the above drugs 3. explain the basis of drug treatment of hypercalcaemia and hypocalcaemia	1hr 1hr	Lecture -1hr	Pharmacology	
(c) Drugs used in joint diseases	1. list the classes of drugs that are used in the treatment of rheumatoid arthritis 2. describe the mechanism of action, pharmacokinetics and adverse effects of the above drugs 3. explain the basis of disease modifying drugs 4. explain the basis of drug treatment of osteoarthritis, gout	1hr	Lecture	Pharmacology	
Skills					
1. Identify fractures and dislocations by physical and radiological examination - II					To be covered in orthopaedic clinical appointment
2. Perform a clinical examination of muscle groups in each joint - III					
3. Perform a clinical examination of joints (knee, hip, shoulder) - II					
4. Examine the spine - I					
6. Carry out first-aid in bone and muscular injury - I					