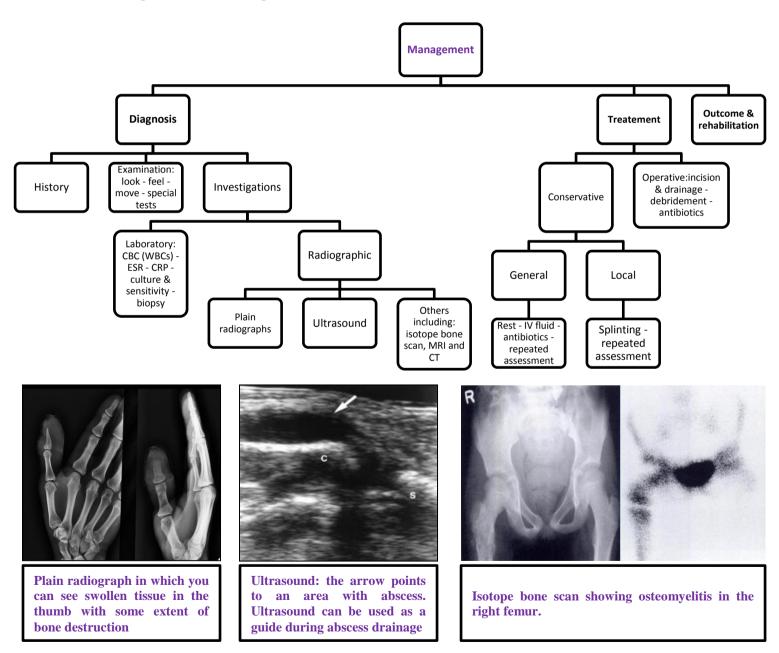
Unit VII – Problem 1 – Clinical: Infections of Bones & Joints

- There are 3 components in an infection:

- The organisms which are considered as invaders with weapons.
- The body which is considered as a defender with weapons (the immune system).
- Tissue (bones & joints) which are considered as the battle ground.
- How does infection occur?
 - **Endogenous** (hematogenous): the organism is transmitted to the target tissue via blood.
 - **Exogenous**: which can be through:
 - ✓ Adjacent infection (skin abscess).
 - ✓ Open fracture.
 - ✓ Operation.
- <u>In infections of bone and joints</u>: bone damage will occur with dead, injured & living cells from all sides. The most important characteristic for pyogenic osteomyelitis is pus formation (subperiosteal abscess).



- <u>Antibiotics</u>: will be given for six wks from the day the clinical picture is improving and settling down.
- How do you know that clinical picture is settling down?
 - **Diagnosis by**: history, examination and investigations.