







#### Pain

Pain is the most common symptom in orthopaedics. there are clearly differences between the throbbing pain of an abscess and the aching pain of chronic arthritis, between the 'burning pain' of neuralgia and the 'stabbing pain' of a ruptured tendon.

Severity is even more subjective. The main value of estimating severity is in assessing the progress of the disorder or the response to treatment. The commonest method is to invite the

patient to mark the severity on an analogue scale of 1– 10, with 1 being mild and easily ignored and 10 being totally unbearable..



## Stiffness

- any painful limitation of movement
- Stiffness may be generalized (typically in systemic disorders
- such as rheumatoid arthritis and ankylosing spondylitis) or
- localized to a particular joint

#### Swelling

- Swelling may be in the soft tissues, the joint or the bone;. It is important to establish whether it followed an injury, whether it appeared rapidly (think of a haematoma or a haemarthrosis) or slowly (due to inflammation, a joint effusion, infection or a
- tumour), whether it is painful (suggestive of acute inflammation, infection or a tumour)





### Loss of function

 Inability of patient to do usual Functional activity and its expression depends upon the needs of that particular patient. The patient may say 'I can't stand for long' rather than 'I have backache.

# Examination

- 1. look:
- 2. feel:
- 3. move:
- 4. Neurovascular function:

































Bone graft:
1. cancellous bone most usually taken from iliac crest or proximal tibia.
2. cortical bone piece e.g. fragments of fibula or sometimes its mixed corticocancellus graft.
The graft usually taken from the patient himself and called AUTOGRAFT.
Grafts can be from one individual to anther of the same species :ALLOGRAFT.











#### arthrodesis it means fusion of the joint in functional position used for ٠ destroyed painful or unstable joint. There must be good functioning proximal & distal joints principle. • a)Removal of both joint surfaces & exposure of underlying • bone. b) The bones are apposed together in a functional position ٠ & fixing it by internal fixation. c) Bone graft is added to improve & hasten fusion. ٠ d) The limb is splinted for 3-6 months until joint fusion & • union



