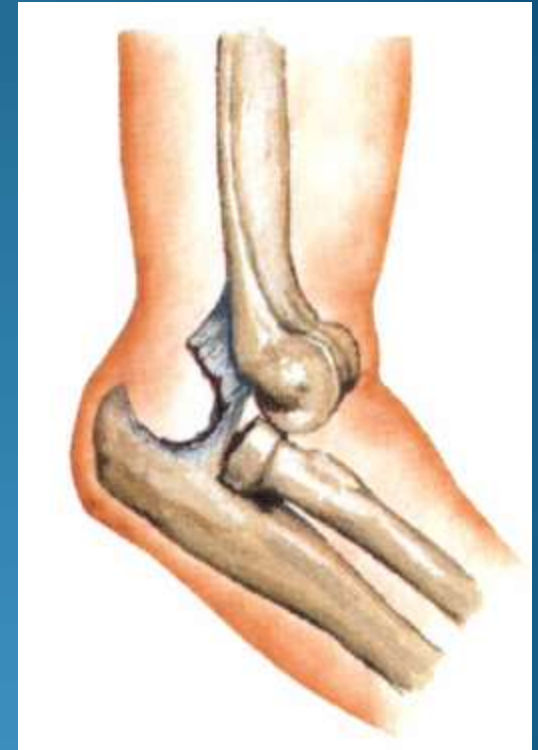


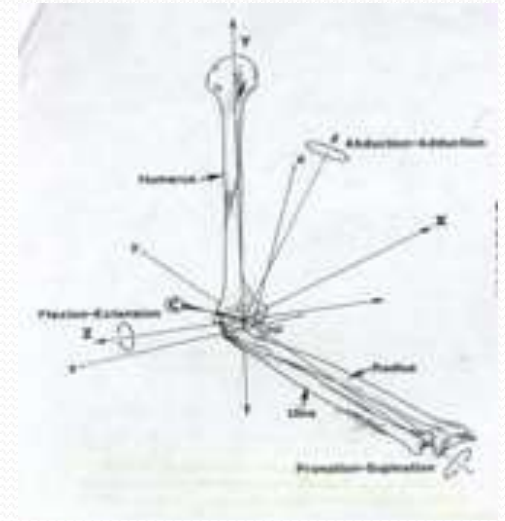
Elbow dislocation

M. N. Naderi, MD



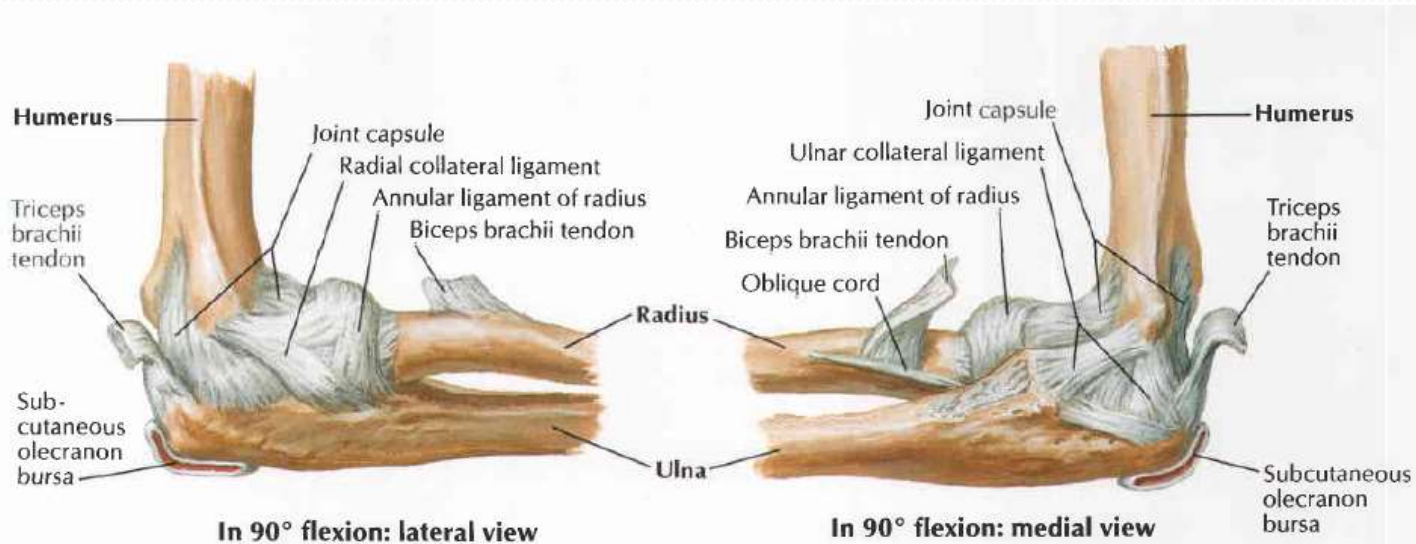
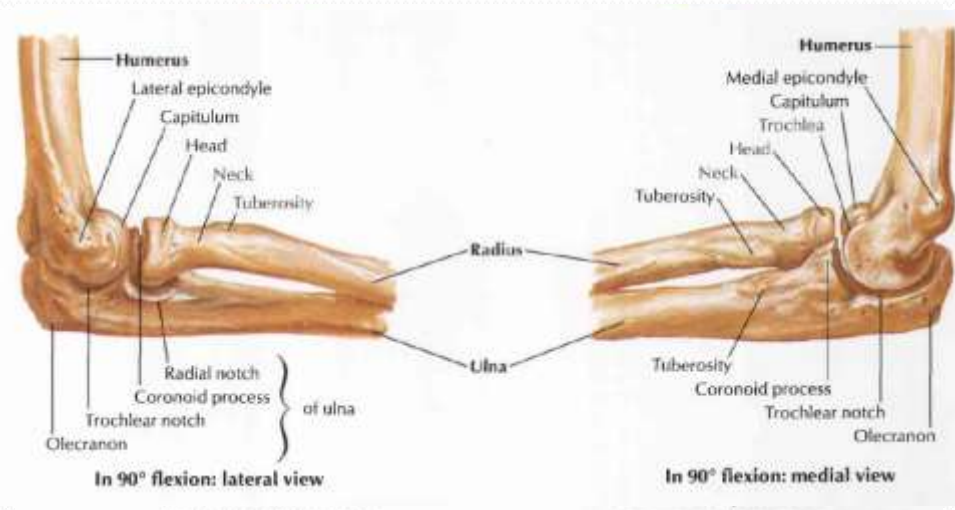
Elbow function

- **Allows hand to position in space**
- **Provides power to perform lifting activities**
- **Stabilize the upper extremity for work**
 - need motion
 - need stability



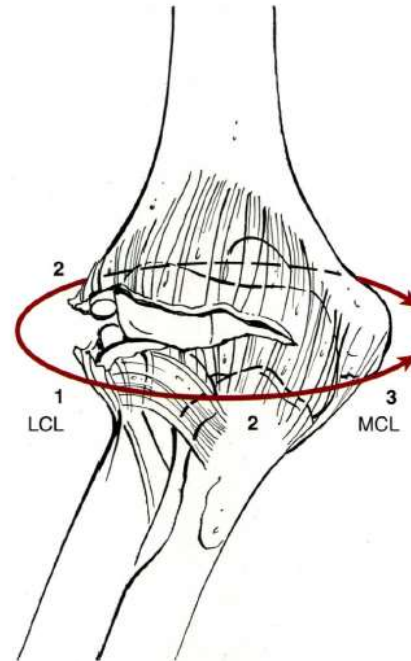
Anatomy

- Inherent bony stability
- Strong capsulo-ligamentous reinforcement (MCL , LCL)



Elbow dislocation

- Falling on outstretched hand
- Injury of capsuloligamentous
- Deformity , pain,& ecchymosis
- Associated injury
 - (N/V, fracture)



Elbow dislocation

- **Simple elbow Dx**
 - stable after CR



- **Complex elbow Dx**
 - Unstable
 - Associated injuries



Why complex elbow dx is complicated?

- **Associated injuries**

- Olecranon fx
 - Coronoid fx
 - Radial head fx
 - Neurovascular injury
- } **Terrible triad**

- **Instability**

- Beware of potential for a simple elbow dx to be unstable



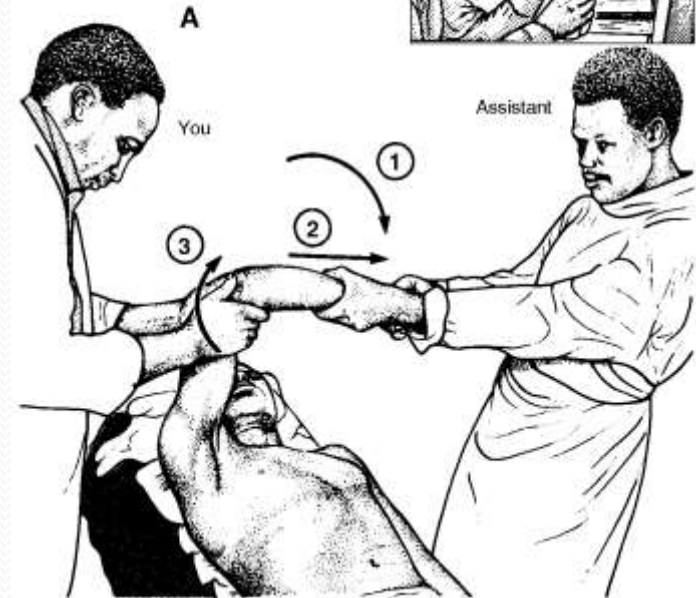
REDUCING A DISLOCATED ELBOW

Treatment

Simple elbow Dx

Complex elbow Dx

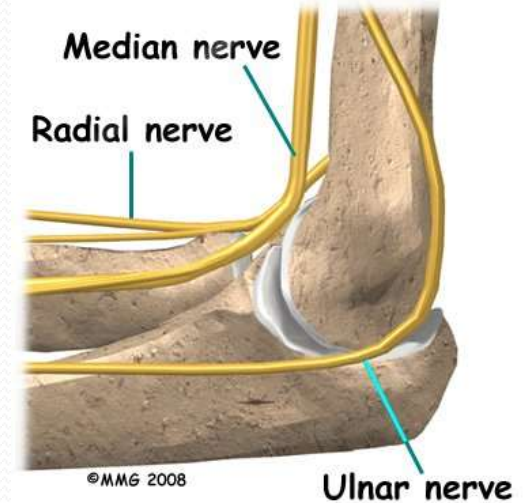
- Operation
- Treatment of associated injuries
- Inform about complications

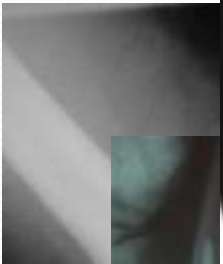
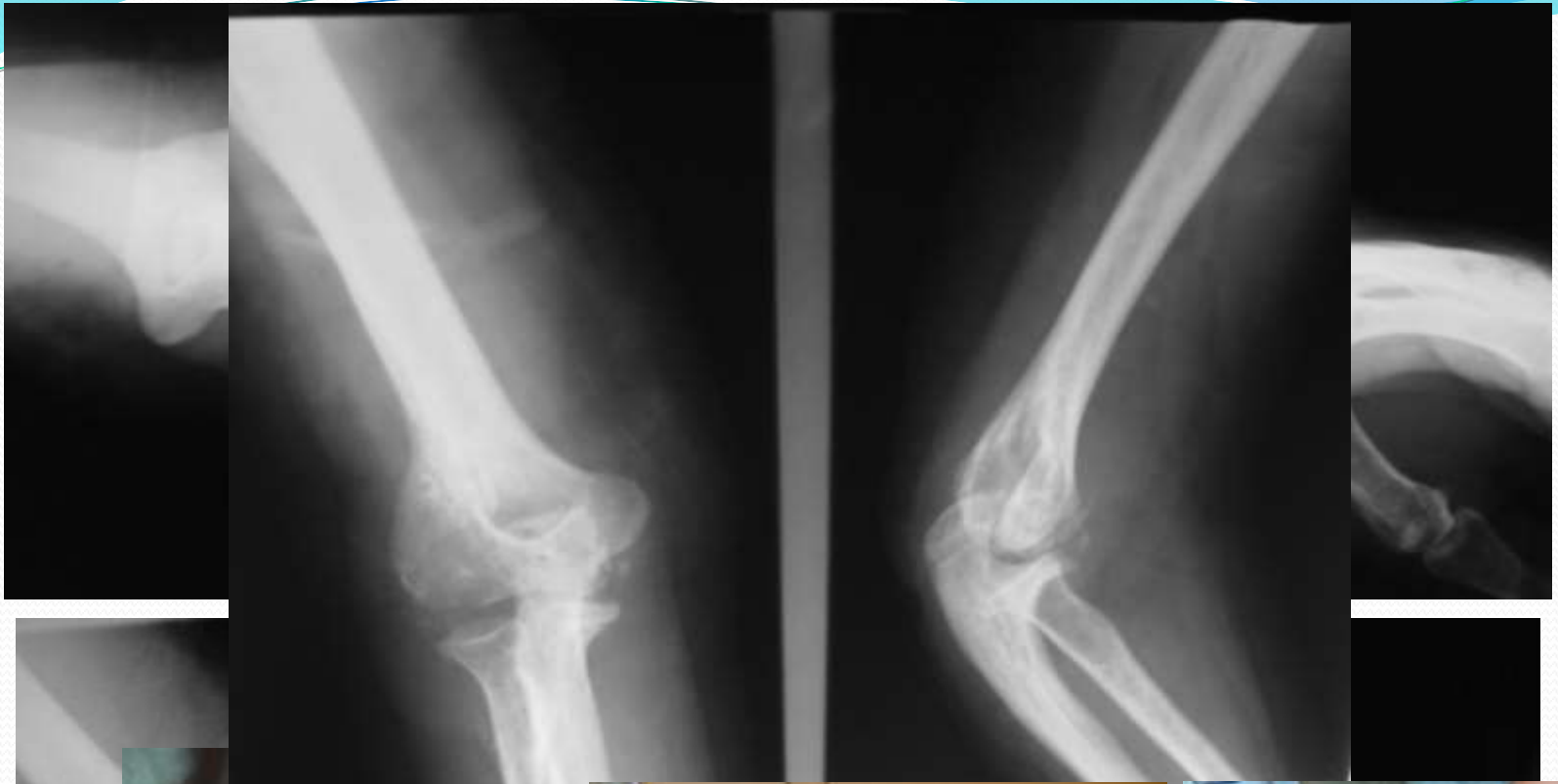


- Observation
- Early ROM (after 1 wk)

Complications

- Stiffness
- Heterotopic ossification
- Ulnar Neuropathy
- Instability
- Arthrosis







How to prevent complications of elbow injury?



- **Assessment of soft tissue & associated injuries (NV,,,,)**
- **Good imaging (AP - lat- oblique,,,, CT)**
- **Preoperative planning**

Summary

- Elbow dx is emergency
 - (early CR)
- Be aware of associated injuries
- Inform about complications



Thank you for attention