

Arthrodesis

Md. Noor Raman(Asst. Prof. NENC)

Arthrodesis

The term arthrodesis refers to surgical fusion of a joint.

Contents

- Indication of arthrodesis
- Contra-indication of arthrodesis
- Sites of arthrodesis
- Surgical procedure for arthrodesis

Indications :

- pain
- instability in a joint and
- failure of joint replacement
- Post traumatic arthritis
- Degenerative arthritis
- Tumour resection
- Tuberculosis
- Severe deformity in paralytic condition
- Poliomyelitis
- RA

Contra-indication

- Active sepsis
- Poor bone condition (severe osteoporosis)
- Peripheral neuropathy
- non union
- Polyarticular disease Contra-indication

Sites of arthrodesis

- ✓ Spine
- ✓ Hip joint
- ✓ Knee joint
- ✓ Shoulder joint
- ✓ Elbow joint
- ✓ Wrist joint
- ✓ Finger joint
- ✓ MTP joint

ELBOW ARTHRODESIS

An elbow fusion helps get pain free because the bones of the joint no longer rub together. Fusing the bones together improves the alignment and prevents further deformity. Patient will not be able to bend the elbow after fusion surgery. Patient will lose the hinge motion in your elbow, but Patient will regain a strong, pain-free elbow joint.

Surgical Procedure for Elbow Fusion

- There are many different types of operations to fuse the elbow.
- Most of the procedures are designed to remove the articular cartilage from the joint surfaces of the hinge joint and then bind the two surfaces together until they heal.

Elbow Fusion

