

PART 2: FRACTURE BANDAGING

Reference: SJA First Aid Manual 9th Edition Revised



FRACTURES

- **A break or crack on a bone**

CAUSES OF FRACTURE

- **Direct Force** (Direct Hit)
- **Indirect Force** (Force transferred from direct force)

SIGNS & SYMPTOMS OF FRACTURE

- Deformity, swelling and bruise;
- Pain and unable to move;
- Signs of shock
- Possibly of open wound
- Shorten or bent



TYPE OF FRACTURES

OPEN FRACTURE



CLOSED FRACTURE

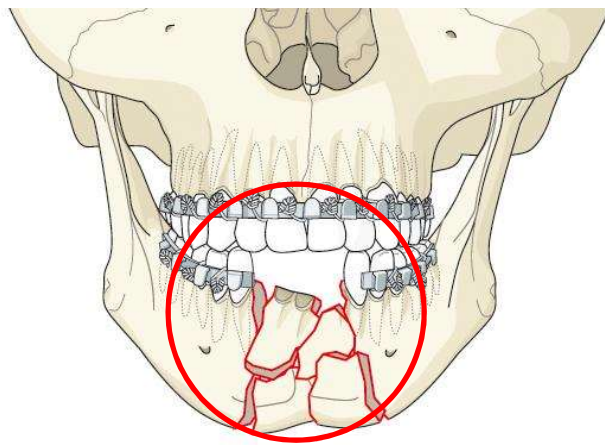
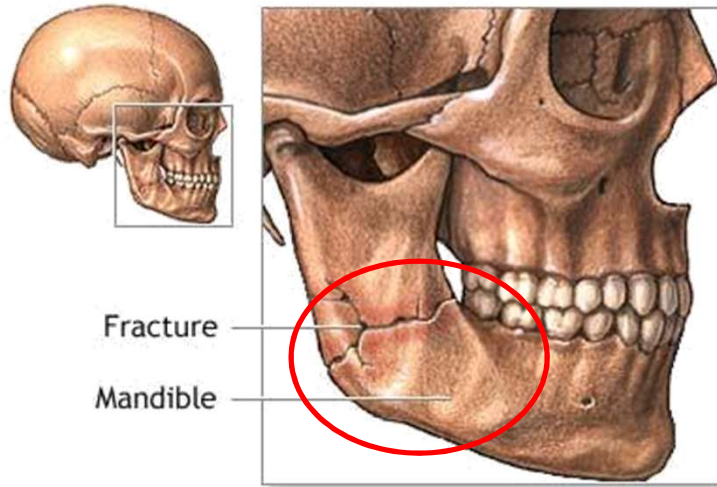




SKILLS

SECTION

Lower Jaw Injury



SIGNS AND SYMPTOMS:

- Difficult to speak, swallow and move the jaw;
- Pain and nausea

Management of Lower Jaw Injury

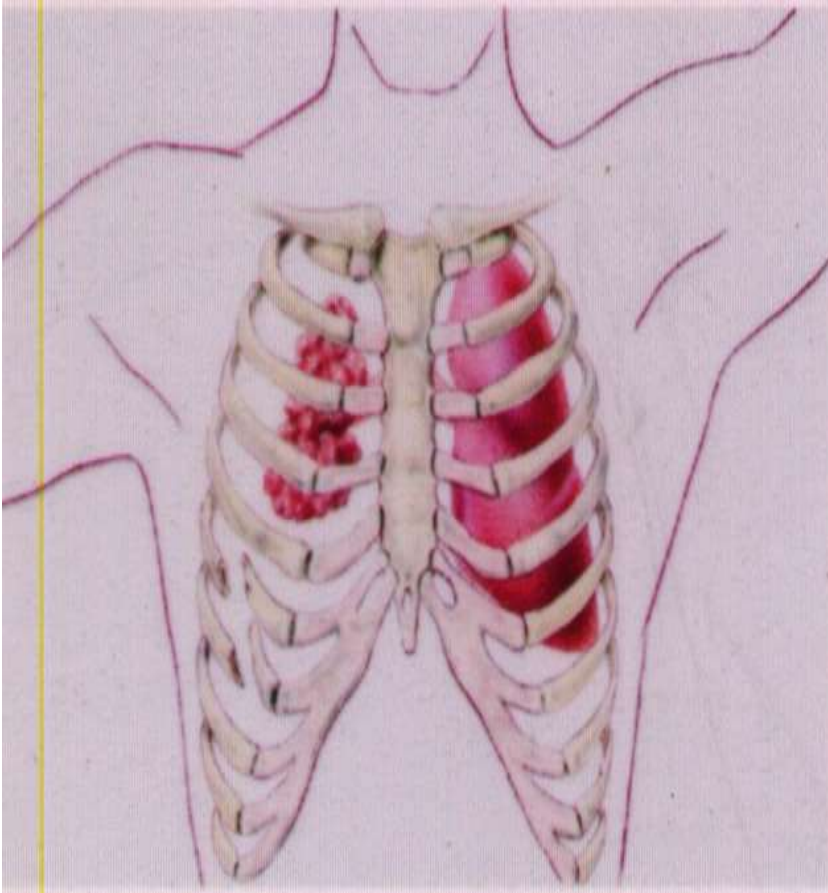


1. Help casualty to sit, lean forward, open and clear airway.



2. Support the jaw firmly with soft padding.
3. Send to hospital immediately.

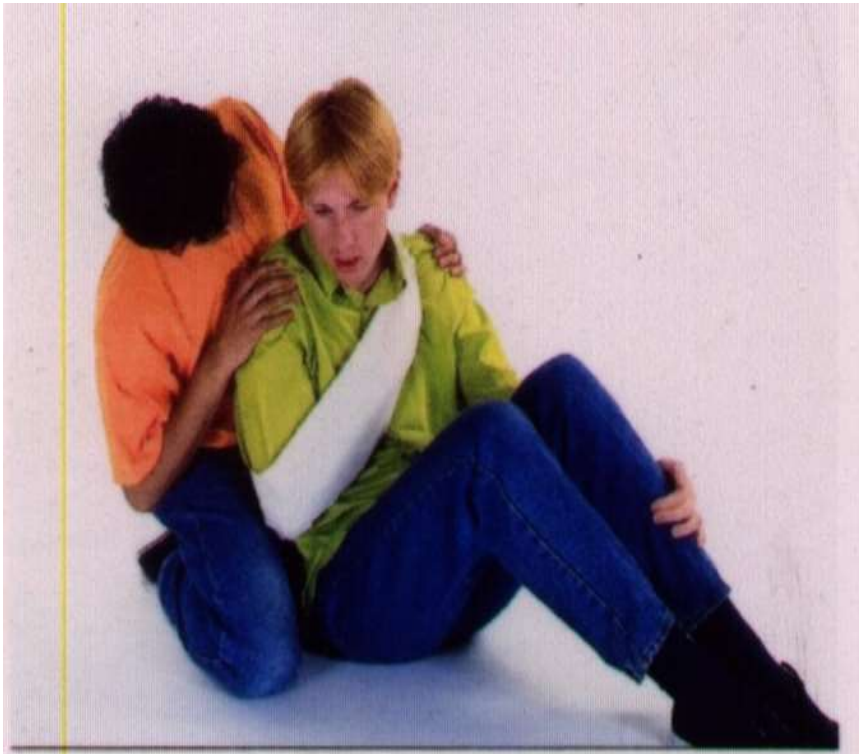
Rib Injury



SIGNS AND SYMPTOMS:

- Pain on the chest;
- Sound of air “sucked” into chest cavity;
- Signs of internal bleeding.

Management of Rib Injury



Treatments:

1. Help the casualty to sit down;
2. Support the arm on the injured side with elevation sling;
3. Send to hospital immediately;
4. Monitor vital signs.

Management of Penetrating Chest Wound



Put the casualty in a comfortable position

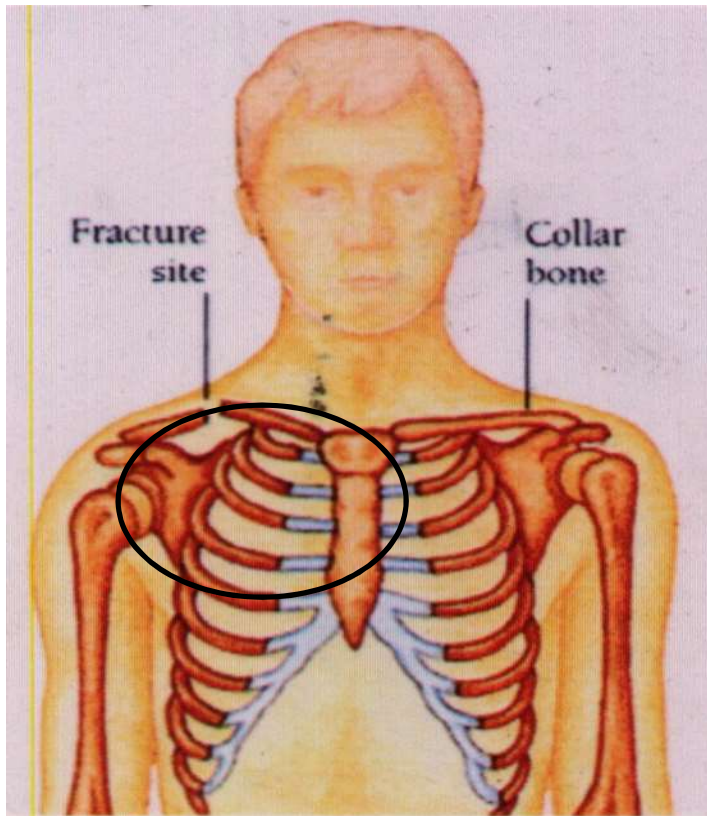


Apply **3 way seal** using clean plastic sheet.



Apply **elevation sling**

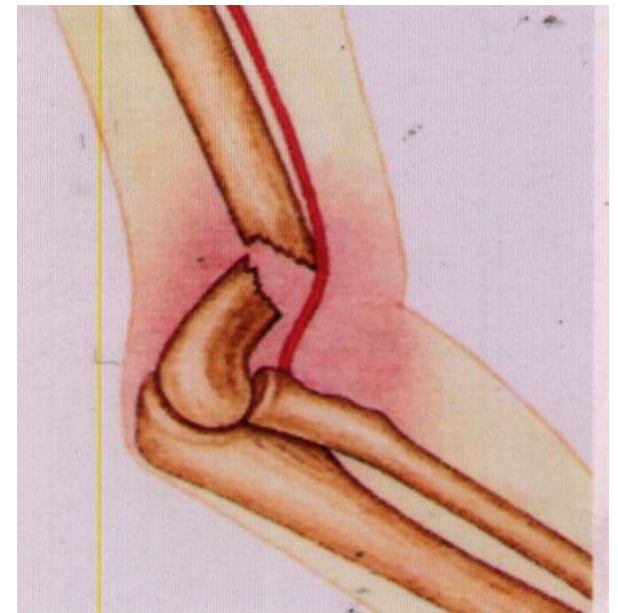
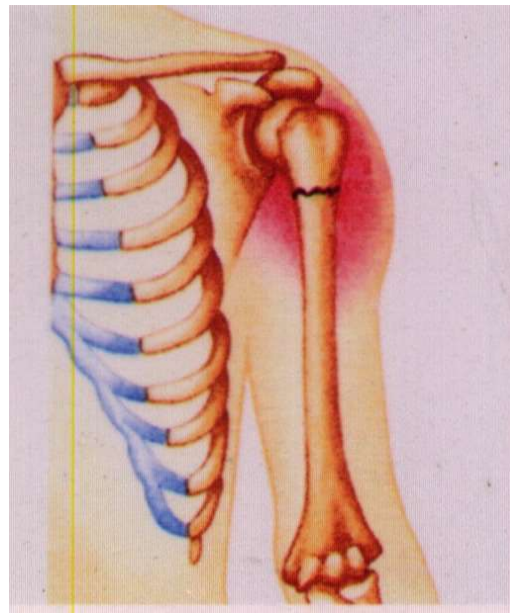
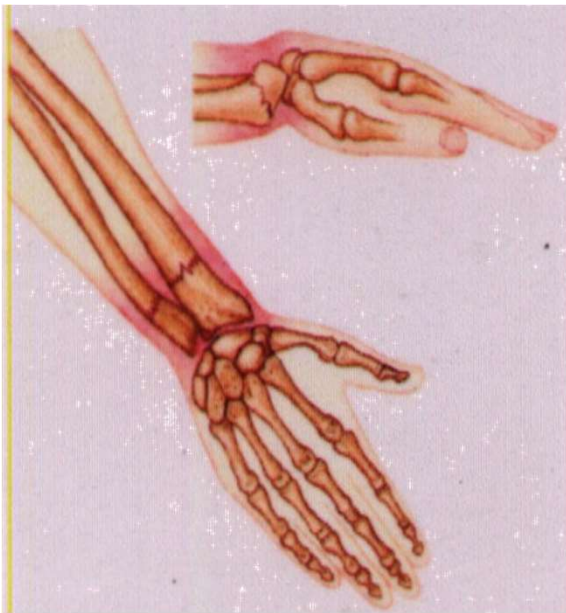
Collar Bone Injury



SIGNS AND SYMPTOMS:

- Head and shoulder incline to the injured side.
- Pain & Swelling at shoulder area

Shoulder/ Upper Arm/ Forearm and Wrist Injuries



SIGNS AND SYMPTOMS:

- Pain, increased by movement;
- Swelling, bruising, tenderness and deformity.

Management of Collar Bone/ Shoulder/ Upper Arm/ Forearm/ Wrist Injuries



Use the uninjured arm to support the injured arm



Reef knot



Secure the arm with a broad-fold bandage around the chest

Management for Arm that Cannot Bend (Elbow Injury)



Secure the arm
with board-fold
bandage;

Soft Padding as support

Hip and Thigh (Femur) Injuries



SIGNS AND SYMPTOMS:

- Shortening of the leg
- Pain & swelling
- Deformity
- May induce severe internal/external bleeding
- Sign of shock

Management of Hip and Thigh Injuries



Straighten the leg with a little traction.

Fracture Area



Lower Leg (Tibia/ Fibula) Injury



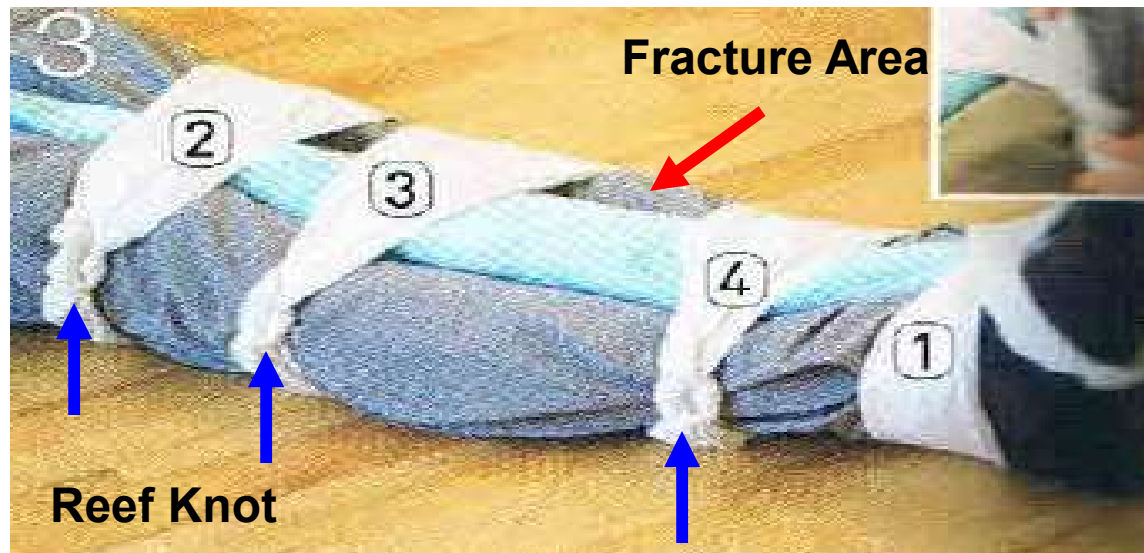
SIGNS AND SYMPTOMS:

- May have shortening of the leg
- Pain & swelling
- Deformity
- May have severe internal/external bleeding
- Sign of shock

Management of Lower Limb Fracture



Straighten the leg with a little traction.



THANK
YOU

