



## Procedure Information

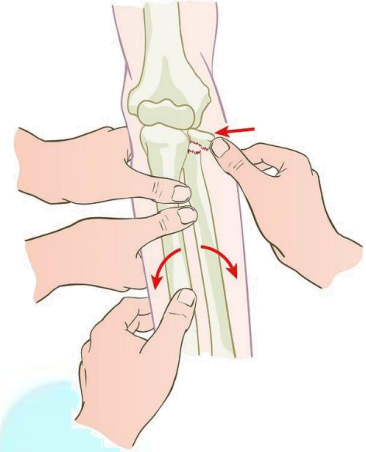
### Closed Reduction

#### Introduction

Closed reduction is the manipulation of the bone fragments without surgical exposure of the fragments. When a bone fracture or dislocation, the fragments lose their alignment in the form of displacement or angulation. For the injury site to heal without any deformity, the bony fragments must be re-aligned to their normal anatomical position.

#### Outcomes

The expected outcome of this procedure is to help your bone to return to its original alignment in order to relieve the pain, prevent further damage, infections and complications of injury. The function and motion of the injury site will be restored to normal.



Source:  
<https://images.fineartamerica.com/images-medium-large-5/1-fracture-reduction-jeanette-engqvist.jpg>

#### Procedures

1. The procedure can be performed under local anaesthetic or sedation.
2. The doctor will set the bone in the right position by pushing or pulling the bone.
3. X-ray will be taken after the procedure.
4. A cast or splint will be put on to protect it while it heals or waits for surgery.

#### Possible Risks and Complications

1. Pain and swelling
2. Surrounding nerves, blood vessels, and other soft tissue injury
3. New bone fracture
4. Thrombosis
5. Failure of reduction

\*\* The risks listed above are in general terms and the possibility of complications is not exhaustive. Please understand that even though all procedures are carried out with utmost professionalism and care, this does not rule out the possibility of complications arising. In the event of peripheral organ damage or post-operative haemorrhage or leakage, further operations may be required.

## **Pre-procedure Preparations**

1. The procedure and possible complications will be explained by your doctor and a consent form must be signed prior to the procedure.
2. Please inform the doctor and nurse all your past medical history, previous surgical operations, current medication and any complication with drug or anaesthesia. Please inform doctor if you are taking medications that affect blood coagulation such as Aspirin, Warfarin, Xarelto or Pradaxa, nonsteroidal anti-inflammatory drug (NSAID) such as Ibuprofen, Naproxen and Chinese medication.
3. You may have x-ray before the procedure if needed.
4. Please change into a surgical gown after removing all belongings including undergarments, dentures, jewellery and contact lenses.
5. Please empty your bladder before the procedure.

## **Post-procedure Instructions**

1. You will be able to discharge a few hours after the procedure.
2. A normal diet may be resumed as instructed by your doctor.
3. Please avoid heavy lifting and vigorous exercise or contact sports for a few weeks post-operatively.

If a cast is being used, please be reminded that:

1. The cast needs 2-3 hours to set:
  - Do not rest the cast on a hard surface
  - Do not move the joints inside the cast
  - Do not place a weight or exert pressure on the cast
2. The cast takes about 1-2 days to dry completely. When the cast has completely dried,
  - Do not wet the cast as it will soften and deform
  - Elevate the cast by using an arm sling or support the injured limbs with a soft pillow, to improve blood circulation and reduce swelling
  - Prevent liquid or hard objects from slipping inside the cast, or trimming the cast on your own.
  - Move the uninjured limbs regularly to maintain flexibility

## **Advice on Discharge**

1. Please comply with the medication regimen as prescribed by your doctor.
2. Immediately consult your doctor or return to hospital for professional attention in the event of any signs of severe pain, serious numbness and tingling, shivering, high fever over 38°C or 100.4°F, or any other unusual symptoms, etc.
3. Any follow-up consultations should be attended as scheduled.

Should there be any enquiries or concerns, please consult the attending doctor.

Under the professional care of the doctor, you will gradually recover. We wish you all the best during your treatment and recovery.

If you have any questions after reading the entire leaflet, please write them down in the spaces provided in order for the doctor to further follow-up.

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Compiled by Union Hospital Operating Theatre (OT) Governance Committee

The above information is for reference only, please enquire your physician for details  
Our Hospital reserves the RIGHT to amend any information in this leaflet without prior notification

