



Conventional Shoulder Replacement Rehabilitation Protocol

Zero to Three Weeks Post-op

Sling
Pendulum Exercises
Elbow and wrist Exercises

Three to Six Weeks Post-op

Continue Pendulum, Elbow and Wrist Exercises
Pulley System
Forward Wall Walks
Gentle Passive ROM

Six to Eight Weeks Post-op

Discontinue Sling
Active Motion of the Shoulder
ROM Stretching

Eight Weeks Post-op

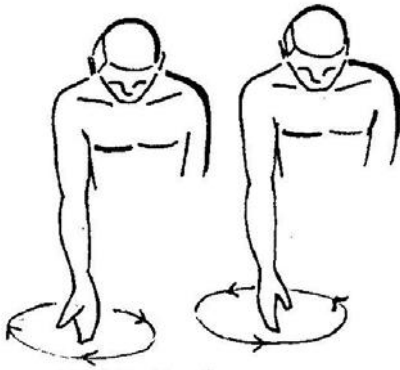
RTC Strengthening
ROM Stretching

Zero to Three Weeks Post op

Sling

Pendulum Exercises

Elbow and wrist Exercises



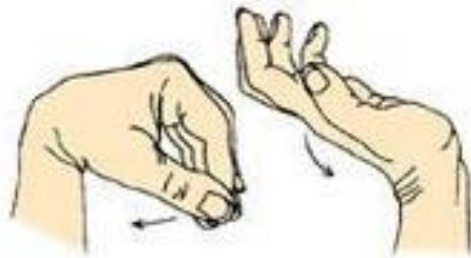
Pendulum Exercises

Standing:

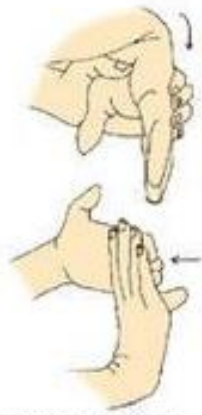
- A. Bending over at waist, circle entire arm clockwise, palm facing forward
- B. Bending over at waist, circle entire arm counter-clockwise, palm facing backward.



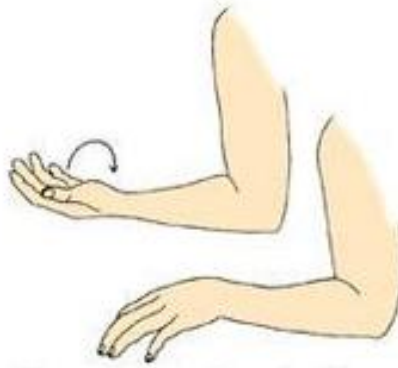
Elbow range of motion



Wrist range of motion

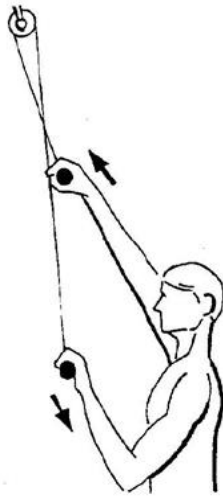


Wrist stretch



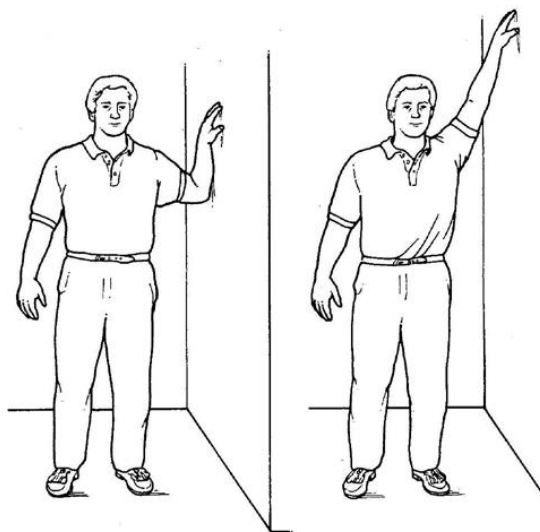
**Pronation and supination
of the forearm**

Three to Six Weeks Post op
Discontinue Sling
Continue Pendulum, Elbow and Wrist Exercises
Pulley System
Forward Wall Walks
Gentle Passive ROM



Pulley Exercises

Standing: Good arm supplies the power to bring the arm as near the pulley as possible

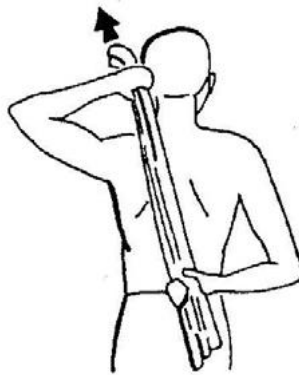


Six to Eight Weeks Post op

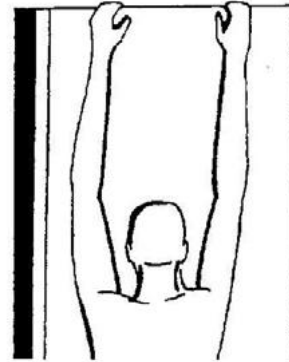
Active Motion of the Shoulder ROM Stretching



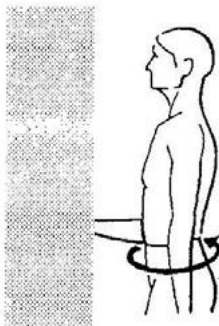
Assisted Internal Rotation
Standing — Grasp wrist of the operating arm with the good hand behind back, slide hands up and down.



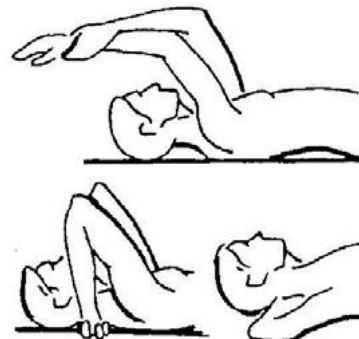
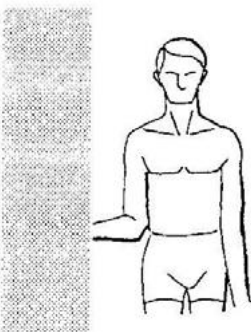
Internal Rotation
Standing — Behind low back, pull hand up as high as possible using a towel.



Forward Elevation
Facing an open door, assist arm up, hook fingertips on top of door. Bend knees slightly to stretch. Use a stool if necessary.



External Rotation
Standing in a doorway with elbow flexed to 90° and held close to body, place palm on door jamb, slowly turn body away from arm.



Assisted External Rotation
Lying on back — Grasp wrist of operated arm with good hand, reach up and overhead, clasp hands, then slide hands down behind neck while spreading elbows. Reverse by sliding clasped hands upward, out from under neck.

Assisted Internal Rotation

Standing: Grasp wrist of the operating arm with the good hand behind the back, slide hands up and down

Internal Rotation

Standing: Behind low back, pull hand up as high as possible using a towel.

Forward Elevation

Facing an open door, assist arm up, hook fingers on top of door. Bend knees slightly to stretch. Use a stool if necessary

External Rotation

Standing in a doorway with elbow flexed to 90 degrees and held close to body, place palm on door jamb, slowly turn body away from arm

Assisted External Rotation

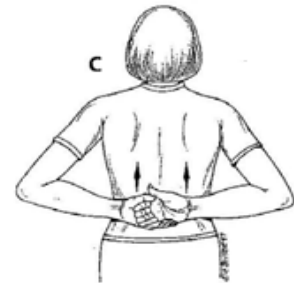
Lying on back grasp wrist of operated arm with good hand, reach up and overhead, clasp hands, then slide hands down behind neck while spreading elbows. Reverse by sliding clasped hands upward, out from under neck.



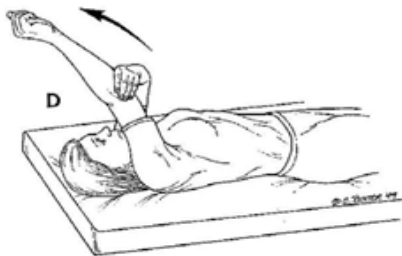
A: Stand with your shoulder blades against the wall and hands clasped behind your head. Move the shoulder joint by pinching your shoulder blades together until your elbows touch the wall



B: Reach up and grasp an overhead support or door. Then flex at the knee, using your body weight to pull on your stiff shoulder

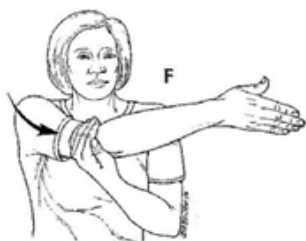


C: Reach behind your back, grasp your hand on the side of the stiff shoulder, and pull upward toward the opposite shoulder blade.



D: Stretch your arm upward in an overhead reach. You can assist with the opposite arm if this makes it easier.

E: Move the hand and forearm on the affected side away from your body. Perform this movement against the resistance offered by an elastic band that is held against your chest in the opposite hand.



F: Stretch the affected shoulder in a cross body reach by moving the wrist toward the point of the opposite shoulder. If you need assistance, press on the upper arm with your opposite hand.

Eight Weeks Post op

RTC Strengthening ROM Stretching

Continue the stretching exercises as needed to regain or maintain a full range of motion in the shoulder. Now also begin to perform Rotator Cuff Strengthening Exercises.

This strengthening program includes only five exercises that isolate on and strengthen the five critical muscle functions of the shoulder: Internal Rotation, External Rotation, Abduction, Extension and Curls.

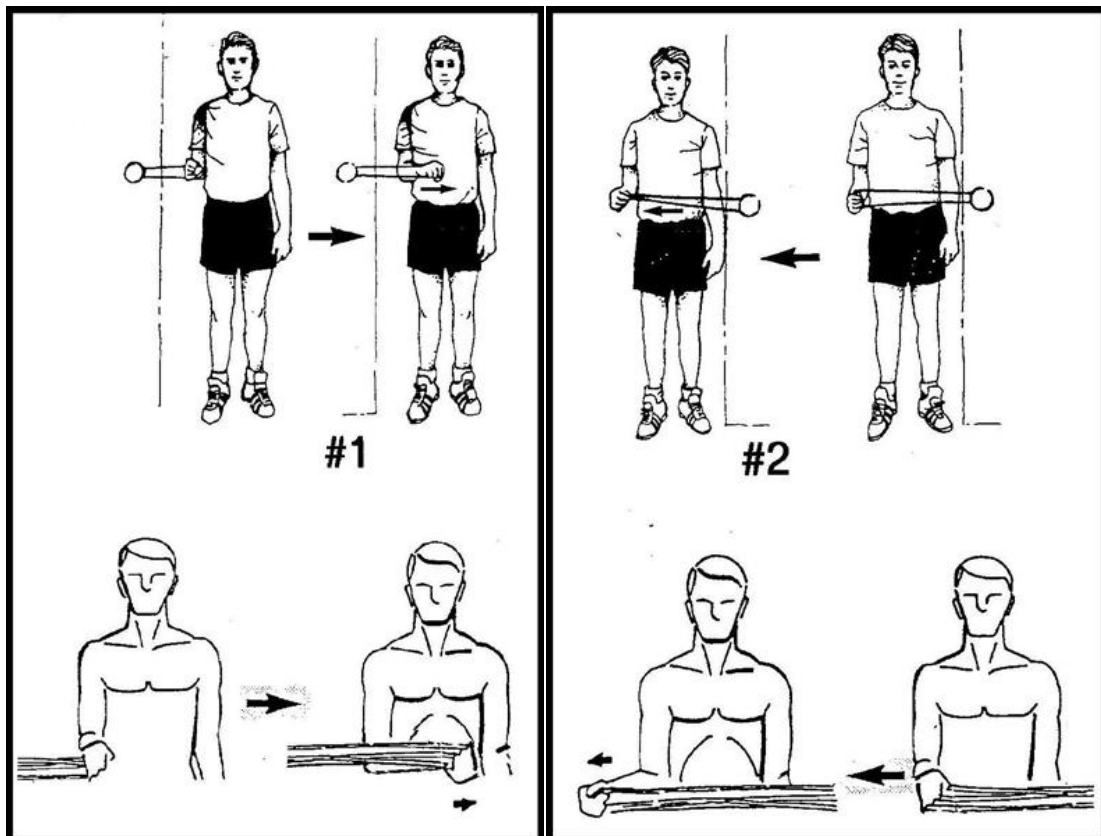
The strength training should involve gentle smooth repetitions. No jerking or yanking!

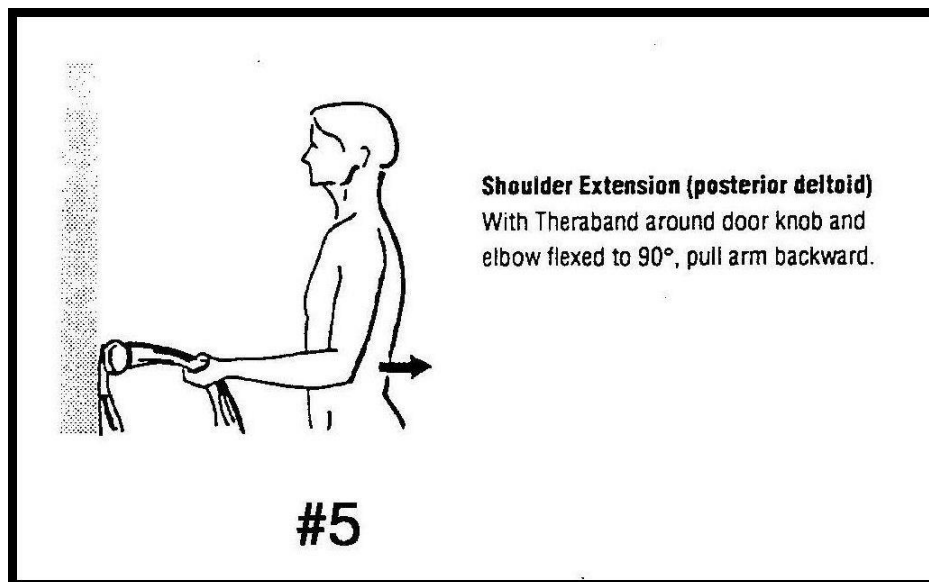
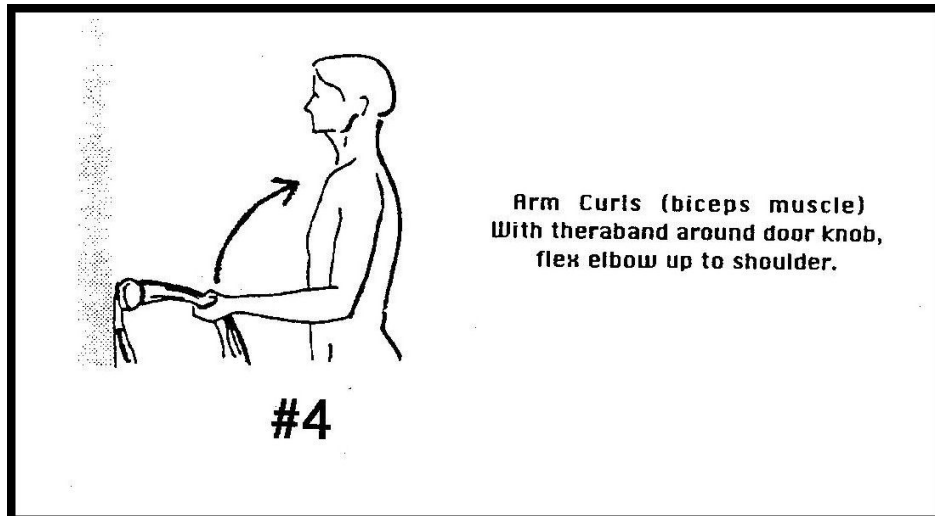
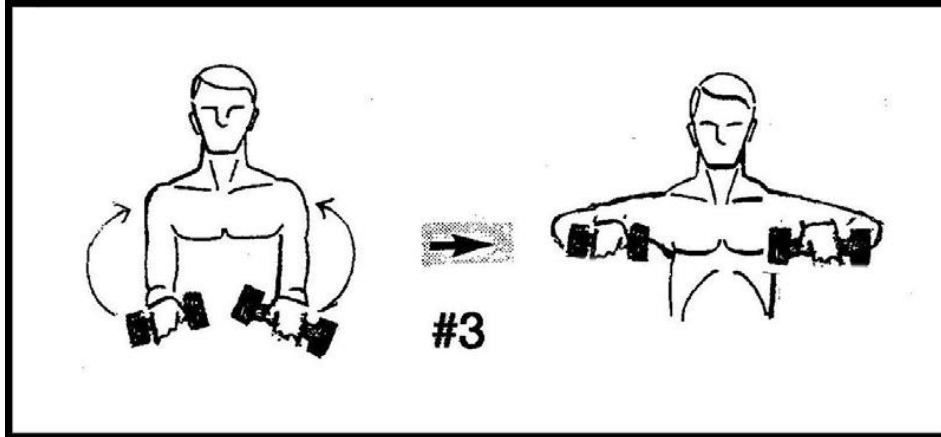
Perform 3 sets of 15 – 20 repetitions of each of the 5 exercises, every other day. In the third set of each exercise, try to “exercise to fatigue”.

The most effective strength training and rehabilitation programs include at least one set of the maximum number of repetitions possible for each exercise performed (“exercise to fatigue”). Higher numbers of repetitions (15 – 20) favour increased muscle endurance while building muscle strength as well, so use a lighter weight or theraband that will allow at least 15 repetitions in a normal set.

Three sets of 15 – 20 reps performed every other day is an optimum strengthening and rehabilitation program.

However, during the first month of strengthening, a single set program, every other day, is adequately effective at improving muscle strength and endurance.

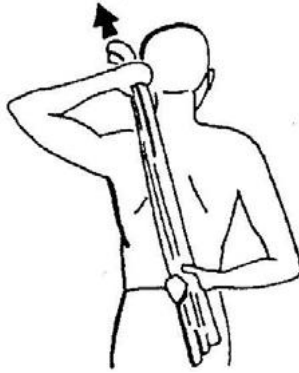






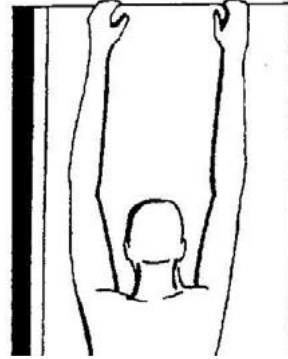
Assisted Internal Rotation

Standing: Grasp wrist of the operating arm with the good hand behind the back, slide hands up and down



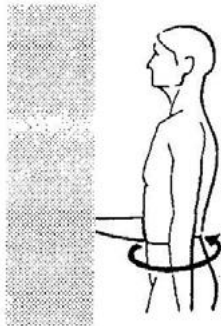
Internal Rotation

Standing: Behind low back, pull hand up as high as possible using a towel.



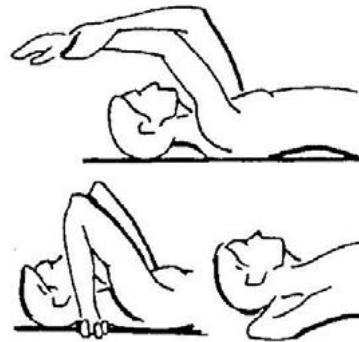
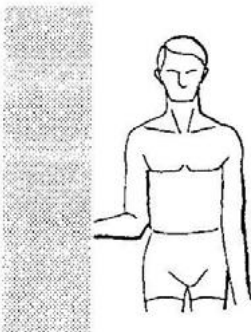
Forward Elevation

Facing an open door, assist arm up, hook fingers on top of door. Bend knees slightly to stretch. Use a stool if necessary



External Rotation

Standing in a doorway with elbow flexed to 90 degrees and hand close to body, place palm on door jamb, slowly turn body away from arm



Assisted External Rotation

Lying on back grasp wrist of operated arm with good hand, reach up and overhead, clasp hands, then slide hands down behind neck while spreading elbows. Reverse by sliding clasped hands upward, out from under neck.