



# The Orthopaedic & Fracture Clinic

## Rotator Cuff Repair Protocol

### Medium/Large Tears (1-5cm)

#### Phase I (Day 1 – 14 Post Op)

##### Goals:

- Maintain repair integrity.
- Gradually increase passive range of motion.
- Diminish pain and inflammation.

##### Day One – Seven:

- Dressing change/sling use per physician.
- Pendulum exercises.
- Passive ROM.
  - Flexion to tolerance.
  - ER/IR in scapular plane.
- Good arm passive flexion in supine.
- Wand ER supine arm by side.
- Elbow/hand gripping and ROM exercises.
- Cryotherapy for pain/inflammation.
  - Ice 15 minutes every two waking hours.
- Sleep in sling or brace.

##### Day 7 – 14:

- Continue exercises as above.
- Add seated pulley forward flexion five minutes in-clinic and three – four times per day at home.
- Biodex passive flexion 15-20 minutes in-clinic until ROM is full over four weeks, ER once forward flexion is full.

##### Precautions:

- No lifting objects.

- No excessive shoulder extension.
- No shoulder movements or excessive stretching.
- No supporting body weight by hands.

Goals:

- Allow healing of soft tissue.
- Do not overstress tissue.
- Gradually restore full PROM (week four – five).
- Decrease pain/inflammation.

**Phase II (Day 14 – Week 8 Post Op)**

Day 14 – 21:

- Continue passive range of motion program as above.
- Passive ROM to tolerance:
  - Flexion 0-125/145 degrees.
  - ER to at least 45 degrees.
  - IR to at least 45 degrees.

Week Three – Four:

- Continue exercises as above.
- Patient should exhibit near full PROM.
- Week four begin UBE forward mode only and Theraband internal rotation, extension to hip, adduction.

Week Four – Six:

- AAROM with wand flexion, external rotation, internal rotation.
- UBE forward and reverse.
- ER with Theraband added to internal rotation, extension, adduction program.

Week Six – Eight:

- Continue program as above.
- AROM exercises, external rotation, internal rotation, extension, adduction.
- Isotonic exercises:
  - Supine flexion.
  - T-band ER, IR, extension.
  - SL ER.

- Biceps curls.
- Prone row.
- Prone horizontal adduction.
- Full can forward flexion in plane of scapulae.

**Goals:**

- Full AROM (week 8 – 10).
  - Gradual restoration of strength and power.
  - Dynamic shoulder stability.

**Phase III (Weeks 8 – 14 Post Op)**

- Continue ROM and stretching program.
  - ER/IR tubing.
  - ER side-lying.
  - Prone row.
  - Prone horizontal abduction.
  - Prone extension.
  - \*Lateral raise.
  - \*Full can in scapular plane.
  - Elbow flexion/extension.

\*Start with weight of extremity adding weight as tolerated: 8 oz., 1 lb., 2 lbs.

Patient must be able to elevate arm without shoulder or scapular hiking before initiating isotonic; if unable, then continue glenohumeral exercises until able.