

POST-OP LARGE (> 5cm) ROTATOR CUFF REPAIR PROTOCOL

0-6 WEEKS

Goals:

- Decrease pain and swelling
- Increase nutrition and healing response
- Infection prevention

Precautions:

- Sling/abduction pillow is worn for 6 weeks during the day and night
 - Sling use as indicated by repair
- Remove sling for light activity and home exercise program as indicated by therapist
- Limit external rotation to neutral for 6 weeks
- No active external rotation for 6 weeks
- No active motion for 8 weeks, all planes

Exercises (PROM):

- Begin passive ROM exercises in clinic
- Pendulum exercise without weight: clockwise, counterclockwise, side-to-side, front-back
- PROM above abduction pillow: ER, IR, flexion, extension, abduction
- Table slides
- Scapular retractions
- Wrist/elbow exercises
- Grip exercises

Other:

- Therapist: grade I & II joint mobilizations
- Ice 3x/day for 20 minutes, or as indicated by therapist
 - Continue to ice as needed and/or indicated throughout rehabilitation
- Modalities
 - Continue as needed and/or indicated throughout rehabilitation
- Wound inspection

6-8 WEEKS

Precautions:

- No active motion, all planes
- No weights/PRE

Exercises (AAROM):

- Pendulum exercises with light weight
- AAROM with cane & pulleys, to patient tolerance
 - flexion, abduction - ER to neutral
- Body Blade - opposite hand, straight plane
- Shoulder shrugs - light weight/high reps

Progress with:

- Wall climbing/finger ladder
- Scar mobility
- Quadruped rhythmic stabilization
- Body Blade - opposite hand diagonals with trunk rotation
- Biceps curls
- Shoulder extension with Theraband
- Shoulder shrugs
- UBE - active assist only

8-12 WEEKS

Precautions:

- No weights/PRE

Exercises (AROM)

- Continue with Week 6-8 AAROM exercises
- AAROM exercises with cane
- AROM - all planes
- UBE - forward/reverse
- Scapular retraction
- Prone extension
- Supine "holds" at 90° flexion; progress to small circles
- Side-lying "holds" at 90° abduction; progress to small circles
- Isometrics <50% effort, no pain (flexion, extension, abduction, ER)
- Biceps curls/triceps extensions with light resistances, elbow at side

12-16 WEEKS

Goal:

- Should have full PROM; ER to _____ degrees only, with gentle passive stretching

Exercises (AROM):

- Continue with Week 8-12 exercises, no weight
- Low-weight exercise (begin at 90° and increase to full ROM)
 - flexion/extension
 - abduction
 - rows
 - scaption
- Wall push-ups, wall push-ups plus
- Shoulder IR/ER with low resistance
- Scapular protraction ("serratus punch")
- Prone fly

16+ WEEKS (Strength)

Goal:

- Should have full AROM; if not, begin passive stretch to achieve full ROM

Exercises (Strength):

- Body Blade, involved extremity
 - One-handed grip, abduction to 90°
 - Two-handed grip, flexion to 90°
- Kneeling push-ups, kneeling push-ups plus
- Step-ups in kneeling push-up position
- UBE with increased resistance
- StairMaster in quadruped at level 12-15
- Treadmill in quadruped at 1.0 mph
- Plyoball:
 - Circles, CW & CCW, 1 minute each direction
 - Squares, CW & CCW, 1 minute each direction

16+ WEEKS (Return to Sport-Specific Training)

- Continue with Phase IV Strength, increasing reps and resistance as tolerated
- Isokinetic testing as directed by physician
- Functional testing as directed by physician
- Push-ups, push-ups plus
- Step-ups in push-up position
- Sport-specific exercises as directed by physician and therapist

References:

Adapted from Rehab Protocol for Large (>5 cm) Rotator Cuff Repair of the Department of Sports Medicine & Shoulder Surgery, Beth Israel Deaconess Medical Center, Boston, MA