

Tri-Service Post-Operative Rehabilitation Guidelines

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Rotator Cuff Repair Rehabilitation

These guidelines were created as a framework for the post-operative rehabilitation program. They <u>DO</u> <u>NOT</u> substitute for any specific restrictions or requirements that are determined through the necessary shared decision-making and collaboration between the operating surgeon and treating rehabilitation team.

| PHASE 1: Generally 0 to 5-8 Weeks Post-Op | | | | |
|---|--|--------------------------------|---------------------|-----------------------|
| GOALS: | Control pain and Protect the surgion Protect wound her Normal elbow/wr Begin early should medium tears | cal repair aling ist ROM | 1 to 90° ABD and 90 |)° FLEX for small and |
| PRECAUTIONS: ROM & SLING: | <u>NO</u> lifting <u>NO</u> push-ups or other sports participation <u>NO</u> supporting of body weight by hands <u>NO</u> AROM Sling <u>AT ALL TIMES</u> except while performing rehab exercises x 4-8 weeks For <u>subscapularis repair</u>: ER limited at Ortho's discretion Avoid gaining ROM too quickly by adhering to the following: Forward FLEX: table slides in hammer grip only; progress as pain allows Passive ER (i.e. with stick) per Ortho's direction Modified pendulums; progress to full as tolerated | | | |
| | Tear Size | Sling Use | Begin PROM | Begin AROM |
| | Small 0 - 1 cm ² | 4 weeks | Immediate | 4 weeks |
| | Medium 1 - 3 cm ² | 6 weeks | Immediate | 6 weeks |
| | Large 3 - 5 cm ² | 6 - 8 weeks | 6 - 8 weeks | 8 weeks |
| | Massive > 5 cm ² | 6 - 8 weeks | 6 - 8 weeks | 8 weeks |
| WOUND: | Post-op dressingShower at post-op | removed at PT ev op day #3 | ral | |









| | Culture area in water often wayned is fully healed | |
|-----------------|---|--|
| | - Submerge in water <u>after</u> wound is fully healed | |
| | - Suture removal @ 7-14 days post-op by Ortho | |
| MODALITIES: | Cryotherapy Hourly for 15 minutes for the first 24 hours <u>after</u> sensation is restored from nerve block Continue use until acute inflammation is controlled Once controlled, use 3x per day for 15 minutes or longer as tolerated Soft tissue mobilization and other integrative medicine techniques Soft tissue/trigger point work to the kinetic chain (i.e. cervical spine, scapula, and forearm) | |
| REHABILITATION: | Frequent use of cryotherapy and/or ice Exercise prescription is dependent upon the tissue healing process and <u>individual</u> functional readiness in <u>all</u> stages. If any concerns or complications arise regarding the progress of any patient, PT should contact Ortho. Healing of the RC tendon(s) to the humerus can take 8-12 weeks As tolerated, progress rehabilitation exercises as wound healing occurs and the inflammatory response decreases | |
| | ROM exercises: Shoulder PROM for small and medium tears only within listed ROM guidelines in non-impingement position (i.e. hammer grip) Scapular retractions, shoulder shrugs, and scapular depressions Modified pendulums in sling; progress to full pendulums after 3-5 days Strengthening: Hand squeezing exercises Elbow/wrist AROM & grip strengthening with shoulder in neutral position at side Gentle sub-maximal ("2-finger") shoulder isometrics for shoulder FLEX, ADD, EXT, and ABD (no IR/ER) Cardiovascular training: Recumbent bike <u>while wearing sling</u> <u>MO</u> running or high-impact activity for aerobic training | |
| FOLLOW-UP: | - Supervised rehab: 1-2x per week | |
| | - PT re-eval: ~10-14 days | |
| | Ortho re-eval: ~2 weeks | |

| PHASE 2: Generally 5-8 Weeks Post-Op | | |
|--------------------------------------|---|--|
| GOALS: | AAROM for FLEX and ABD to 120° for small and medium tears PROM for FLEX and ABD to 90° for large and massive tears Progressing passive ER Pain-free ADLs | |









| PRECAUTIONS: | <u>NO</u> lifting > 10 lbs | |
|------------------------|--|--|
| | NO overhead motions | |
| | Avoid impingement positions, moderate or higher level exertional activities | |
| | with involved arm, and high impact aerobic training | |
| ROM & SLING: | Wean from sling | |
| | - Progress ROM as tolerated | |
| REHABILITATION: | ROM exercises | |
| | - Trunk stabilization (NWB) | |
| | - Scapular strengthening emphasizing scapular retractors and upward | |
| | rotators | |
| | Modalities PRN | |
| | Cardiovascular training: continue recumbent bike; progress to elliptical (no | |
| | push/pull with surgical arm) and/or treadmill walking | |
| | Adjunct treatments to consider: dry needling, cervicothoracic manual | |
| | therapy, aquatic walking with water at chest level or below (no UE | |
| | movement or resistance; no swimming) | |
| FOLLOW-UP: | - Supervised rehab: 2-4x per week as needed | |
| | - PT re-eval: every 2 weeks | |
| | - Ortho re-eval: 6 weeks | |
| CRITERIA FOR | - Full ROM | |
| PROGRESSION: | Minimal pain and pain-free ADLs | |
| | - D/C sling | |

| PHASE 3: Generally 9-16 weeks Post-Op | | |
|---------------------------------------|---|--|
| GOALS: | Normal ROM in all planes Initiate strength training Running progression protocol as indicated | |
| PRECAUTIONS: | Minimize pain and any inflammatory response | |
| REHABILITATION: | ROM exercises Trunk stabilization (FWB) Scapular strengthening emphasizing scapula retractions and upward rotators Initiate strengthening as ROM normalizes, starting with high reps/low loads progressing to low reps/high loads Modalities PRN Cardiovascular training: continue recumbent bike, elliptical, and/or treadmill walking; consider initiating a running progression Adjunct treatments to consider: dry needling, manual therapy to GH joint and cervicothoracic regions, aquatic walking with water at chest level or below (no UE movement or resistance; no swimming) | |









| FOLLOW-UP: | Supervised rehab: 1-2x per week as needed |
|------------|---|
| | - PT re-eval: every 2 weeks |
| | - Ortho re-eval: 12 weeks |

| PHASE 4: Generally 4-6 Months Post-Op | | |
|---------------------------------------|---|--|
| GOALS: | Pain-free ADLs Shoulder strength equal bilaterally Meet occupational requirements at 4-6 months Pain-free functional/sports drills | |
| REHABILITATION: | Advanced specific, functional, and individualized training to achieve Phase 4 goals (i.e. lift, pull, carry, and climb in unloaded/loaded conditions) | |
| FOLLOW-UP: | Supervised rehab: 1-2x per week as needed with gradual transition to home program PT re-eval: monthly Ortho re-eval: ~6 months post-op | |
| MISCELLANEOUS: | Pass Service fitness test at 9-12 months Progress activities for return to sport/collision sports or aggressive military training (i.e. airborne school) based on the patient's functional performance and endurance. This time period will be directed by the Ortho Surgeon and the Physical Therapist. This may require between 6-12 months before cleared without restrictions. | |

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