

Post-On Weeks 0-4.

Dr. Robin West Dr. Robert Najarian Dr. Brandon Bryant Dr. Jeffrey Giuliani

8100 Innovation Park Drive Suite 110, Fairfax, Virginia 22031 1005 N Glebe Road, Suite 410, Arlington, Virginia 22201 22505 Landmark Court, Suite 235, Ashburn, Virginia 20148

Physical Therapy Protocol Following Pec Major Repair

Shoulder Immobilizer: 4 weeks (Bryant) or 6 weeks (West, Najarian, Giuliani) (sleep included)

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Goals:	 Minimize swelling and pain Protect repair
Exercises:	 Elbow and wrist ROM Avoid active movement in all directions
Post-Op Weeks 4-6:	
Goals:	1. 75-100% PROM, except ER (must limit to 30°)
Exercises:	 Begin PROM (avoid abduction and ER) Scapular clocks (retraction, depression, protraction) Scapular PNF Scapular mobility Begin table weight shifts for weight bearing through UEs Grades I-II (anterior, posterior, distraction) oscillatory joint mobs
Post-Op Weeks 6-8:	
Goals:	1.75-100% full AAROM without pain2. AAROM flexion, abduction, ER, IR without scapular or uppe trapezius substitution3. Tolerate PREs for scapular stabilizer and shoulder complex4. No reactive effusion
Exercises:	 Initiate AAROM; progress to AROM as tolerated towards week 8 Okay to push PROM ER beyond 40⁰ Grade III sustained joint mobs for capsular restriction Isometrics: flexion, extension, abduction, ER, horizontal abduction Progress scapular strengthening Can progress weight bearing to quadruped, tripod (1 arm + 2 legs) *Avoid active adduction, horizontal adduction, IR

Post-Op Months 6-9: Goals:	 1. Sufficient score on functional test (isokinetic or one arm hop)
	
Exercises:	 Progress scapular and rotator cuff strengthening, including IR Single arm pectoralis major strengthening: *Begin with Thera band *Progress to dumbbell bench press Push-ups (avoiding humeral abduction beyond frontal plane)
Goals:	 Tolerate high level of strengthening and plyometrics without an increase in symptoms Tolerate and progress to single arm strengthening of pectoralis No pain with any strengthening exercises
Post-Op Months 3-6:	uneven surfaces 7. Dynamic stabilization, perturbations, WB planks on hands 8. Active ER, horizontal abduction (NOT to end range)
Exercises:	 Gain full ROM through stretching and grade III mobs Active flexion, abduction, adduction strengthening *Avoid IR, flexion and horizontal adduction Progress scapular strengthening and progress rotator cuff strengthening, avoiding IR Begin submax pectoralis strengthening Wall push-ups, progressing to table push-ups and then to
Goals:	 Full AROM Increased strength/ proprioception with exercise without an increase in symptoms