



This rehabilitation program is designed to return the individual to their full activities as quickly and safely as possible, following biceps tenotomy. Modifications to this guideline may be necessary dependent on physician specific instruction or other procedures performed. This evidence-based guideline is criterion-based; time frames and visits in each phase will vary depending on many factors. The therapist may modify the program appropriately depending on the individual's goals for activity following this surgery.

This guideline is intended to provide the treating clinician a frame of reference for rehabilitation. It is not intended to substitute clinical judgment regarding the patient's post-operative care based on exam/treatment findings, individual progress, and/or the presence of concomitant procedures or post-operative complications. If the clinician should have questions regarding post-operative progression, they should contact the referring physician.

Precautions:

- If patient has a concomitant injury/repair treatment will vary- consult with surgeon.
- No active ROM of the elbow

Phase	Suggested Interventions	Goals/Milestones for Progression
Phase I Weeks 0-2	 Specific Instructions: Use of sling for discomfort, wean out as discomfort allows. Ace wrap or tubi-grip around arm/bicep from hand to upper arm for 2 weeks. PT ordered per physician discretion Suggested Exercises: Shoulder Pendulums PROM shoulder all planes as tolerated PROM elbow flexion/extension, pronation/supination AROM wrist and hand Cervical spine stretching Upper Trapezius, Levator Scapulae, Scalenes Posture training 	Goals of Phase: 1. Initiate PROM 2. Pain control 3. Edema control 4. Incisional healing AVOID: 1. AROM of elbow or shoulder 2. No excessive Shoulder external rotation, stop at first end feel. 3. No Lifting of objects
	 Scapular glides Scapular retractions Stress ball squeezes Maintain cardiovascular health using walking, exercise bike Modalities Ice, IFC (control pain and inflammation) Mobilization Thoracic Spine and costovertebral joints Begin gentle scar mobilization 	Criteria to Advance to Next Phase: 1. Incisional Healing 2. Full PROM to elbow and shoulder



Phase II	Suggested Exercises:	Goals of Phase:
Weeks 2-4	Shoulder	1. Pain control
	 AAROM dowel in all planes/table slides→AROM 	2. D/C sling
	 Pulleys (Normal Scapulohumeral Rhythm must exist to 	3. Improve proper physiologic
	decrease Impingement)	movement
	Begin posterior capsule stretching as indicated: side lying	4. Full AROM
	shoulder IR stretch, and cross body adduction stretch	5. Begin light waist level functional
	Elbow/hand:	activities
	 Sub-max isometrics elbow flex/ext in neutral 	
	shoulder position	
	 Initiate isometric exercises sub-maximal 	AVOID:
	contraction	 Lifting with affected UE
	 AAROM of elbow flexion/extension, 	
	pronation/supination	Criteria to Advance to Next Phase:
	 Maintain cardiovascular health using walking, exercise 	 Full AROM shoulder and
	bike	elbow
	 LE and trunk exercises to be initiated (no bouncing) 	Proper scapular mechanics
	Modalities:	Completion of phase II
	Ice, IFC (control pain and inflammation)	without pain
	Mobilizations:	
	Joint mobilizations where restricted:	
	Glenohumeral/scapulothoracic/trunk (PA/Inferior Add in	
	neutral, mild ER, and mild IR)	
Phase III	Suggested Exercises:	Goals of Phase:
Weeks 4-6	Continue interventions from previous phase including	Normal strength, endurance and
	shoulder and elbow PROM and AROM	neuromuscular control
	Add wall slides as tolerated in the scapular plane Add wall slides as tolerated in the scapular plane	2. Return chest-level functional
	UBE (elbow below shoulder height with minimal reach and	activities
	resistance)	AVOID:
	Begin to incorporate posterior capsule stretch – Cross body addition side bing IP sleep as stretch.	AVOID:
	adduction, side lying IR sleeper stretch.	Strengthening activities until near full ROM achieved
	 Initiate biceps strengthening, beginning with light resistance Resisted biceps curls 	Toll ROM achieved
		Criteria to Advance to Next Phase:
		1. Full, non-painful AROM to elbow
	Resisted triceps extensionResisted wrist extension/wrist flexion	and shoulder
	Rhythmic stabilizations for the scapular muscles	
	ER/IR in scapular plane	
	Livin in scapolal plane	





Phase IV Weeks 6 Plus post op	 Flexion/extension and abduction/adduction at various angles of elevation Begin closed chain strengthening as tolerated (wall, counter, knees, floor) Initiate prone rows 30/45/90 Initiate prone I's, T's & Y's Side lying ER with towel roll Full can scapular plane shoulder raise with good mechanics Continue cryotherapy if needed for pain and inflammation Suggested Exercise: Continue phase I-III interventions as needed Focus on proper technique with quality, uncompensated motion Focus on low load, high repetitions (30-50). Open and closed chain strengthening advancing as able Resisted PNF diagonals Maintain cardiovascular health using walking, exercise bike, consider light jogging if indicated. Progressive return to upper extremity weight lifting program emphasizing the larger, primary upper extremity muscles: deltoid, lats, pectoralis major 	2. Good tolerance to strengthening without increase in symptoms Goals of Phase: 1. Maintain full non painful AROM 2. Return to full strenuous work activities 3. Return to full recreational activities AVOID: 1. Excessive anterior capsule stress 2. With weight lifting – avoid military press with wide grip bench Criteria to Advance to Next Phase: 1. Full uncompensated movement
	Milestones to return to overhead work and sport activity 1. Clearance from MD 2. No complaints of pain 3. Adequate ROM, strength and endurance of rotator cuff and scapular musculature for task completion 4. Compliance with continued HEP. 5. If starting with UE weight lifting program, emphasize larger primary muscles (deltoid, latissimus dorsi, pec major) –Light weight, high reps.	1. Full uncompensated movement 2. Satisfactory static stability