



Michael C. Fu, MD, MHS

Sports Medicine & Shoulder Surgery
 523 E 72nd St, New York, NY 10021
 P: (212) 606-1991 F: (917) 260-4578

Latarjet or Anterior Free Bone Block Rehabilitation

The following is a basic framework from which to work during rehabilitation following a Latarjet or free bone block procedure for anterior instability. Every patient is different, so the time points are just guidelines – the emphasis should be on achieving the milestones of each phase prior to advancing to the next phase. Please feel free to communicate with our office with any questions or concerns.

	Range of Motion	Immobilizer	Exercises
Phase I 0 – 4 weeks Maximal Protection	Limit ER to passive 30° to protect subscapularis repair Limit FF to passive 90° Elbow A/AAROM as tolerated	Worn at all times (day and night) except for showering and exercise	Wrist and gripping exercises Begin deltoid/cuff isometrics **Do not perform pendulums
Phase II 4 – 6 weeks Moderate Protection	A/AAROM FF limit to 140° A/AAROM ER to 45° Progressive from AAROM to AROM: quality movement only, avoid forcing active motion with substitution patterns, begin with gravity-eliminated motions (supine) first	Discontinue sling at 4 – 6 weeks	Deltoid/cuff isometrics Continue with wrist/gripping exercises
Phase III 6 – 12 weeks Minimum Protection Mild Strengthening	Progress to full motion without discomfort 10 – 12 weeks: AIAA/PROM to improve ER with arm at 45°	None	Deltoid/cuff isometrics, progress to isotonic PREs for scapular muscles, latissimus, biceps, triceps PREs for rotator cuff in isolation (use modified neutral) Emphasize posterior cuff, latissimus, scapular muscle strengthening, stressing eccentrics



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			<p>Utilize exercise arcs that protect anterior and posterior capsule from stress during PREs</p> <p>Keep all strengthening exercises below horizontal plane</p>
<p>Phase III 12 – 16 weeks</p> <p>Criteria: 1. Pain-free AROM 2. Pain-free manual muscle test</p>	<p>AROM activities to restore full ROM, no limits</p>	<p>None</p>	<p>Restore scapulothoracic rhythm</p> <p>Joint mobilization</p> <p>Aggressive scapular stabilization and eccentric strengthening</p> <p>Initiate isotonic shoulder strengthening: side-lying ER, prone arm raises at 0°, 90°, 120°, elevation in scapular plane with IR/ER, lat pulldown closed grip, prone ER</p> <p>Dynamic stabilization WB and NWB</p> <p>PREs for all upper quarter musculature, continue to emphasize eccentrics and glenohumeral stabilization</p> <p>All PREs below horizontal plane for non-throwers</p> <p>Begin isokinetics</p> <p>Begin muscle endurance activities (UBE): high seat and low resistance, must be able to do active shoulder flexion to 90° without substitution</p> <p>Advanced functional and agility exercises</p> <p>Isokinetic test</p> <p>Functional test assessment</p> <p>Full return to sporting activities</p>