

## Arthroscopic Anterior Laterjet Procedure

### Precautions:

- Excessive force into ER or horizontal abduction (boney fixation of Laterjet)
- No horizontal adduction for 4-6 weeks
- No forceful weight lifting (push-ups, bench press, pressing motions) for 3 months
- No excessive IR motion for 8-12 weeks

### I. Phase I – Immediate Postoperative Phase “Restrictive Motion” (Weeks 0-6)

**Goals:** Protect repair and promote healing of boney fixation  
 Prevent negative effects of immobilization  
 Promote dynamic stability and proprioception  
 Diminish pain and inflammation

#### Weeks 0-2

- Sling for 4 weeks for control against forces through graft site
- Sleep in immobilizer for 4 weeks
- Elbow/hand ROM
- Hand gripping exercises
- Passive and gentle active assistive ROM exercise
  - Flexion to 70 degrees week 1
  - Flexion to 90 degrees week 2
  - ER/IR with arm 30 degrees abduction
    - ER to 5-10 degrees (week 1)
    - ER to 15-20 degrees (end of week 2)
    - IR to 35 degrees
- Submaximal & subpainful isometrics for shoulder musculature (light contractions)
- Rhythmic stabilization drills ER/IR (Light)
- Proprioception drills
- Cryotherapy (3-4 x daily), modalities as indicated

#### Weeks 3-4

- Discontinue use of sling at end of 4 weeks
- Use immobilizer for sleep **\*\* to be discontinued at 4 weeks unless otherwise directed by physician**
- Continue gentle ROM exercises (PROM and AAROM)
  - Flexion to 90- 115 degrees
  - Abduction to 90 degrees
  - ER/IR at 45 degrees abd in scapular plane
    - ER in scapular plane to 20-25 degrees (at end of week 4)
    - IR in scapular plane to 35-40 degrees
- **\*\*NOTE:** Rate of progression based on evaluation of the patient (end feel assessment)
- No excessive ER, extension or elevation
- Continue isometrics and rhythmic stabilization (submax)
- Core stabilization program
- Initiate scapular strengthening program (manual resistance)
- Initiate exercise tubing ER/IR with arm at side
- Continue use of cryotherapy

**Weeks 5-6**

- Gradually improve ROM
  - Flexion to 145 degrees
  - ER at 45 degrees abduction: 45-50 degrees
  - IR at 45 degrees abduction: 55-60 degrees
- Manual resistance scapular strengthening
- Continue exercise tubing ER/IR (arm at side)
- Scapular strengthening (prone exercises)
- Begin AROM without resistance – full can & lateral raises

**II. Phase II – Intermediate Phase: Moderate Protection Phase (Weeks 7-14)**

**Goals:** Gradually restore full ROM (week 10-12)  
Preserve the integrity of the surgical repair & boney fixation  
Restore muscular strength and balance  
Enhance neuromuscular control

**Weeks 7-9**

- Gradually progress PROM & AROM;
  - Flexion to 160 degrees
  - Initiate ER/IR at 90 degrees abduction:
    - ER at 90 degrees abduction: 65-70 degrees at week 8
    - ER to 75-80 degrees at weeks 9-10
    - IR at 90 degrees abduction: 35-40 degrees
- Continue to progress isotonic strengthening program
- Continue manual resistance exercises & rhythmic stabilization drills

**Weeks 10-12**

- Restore full PROM by or at week 12
  - Flexion to 165-180
  - ER at 90 degrees of abduction to 85-90 degrees
  - IR at 90 degrees of abduction to 45-50 degrees
  - May initiate slightly more aggressive strengthening

**Fundamental Shoulder Exercises**

- Progress isotonic strengthening exercises
- Continue all stretching exercises
  - \*\*Progress ROM to functional demands (i.e. if overhead athlete)
  - Progress to isotonic strengthening (light and restricted ROM)

**Weeks 13-14:**

- Progress all exercises listed in weeks 10-12
- May progress isotonic strengthening exercises (slowly progress weights)
- May progress to behind the back stretching

**III. Phase III – Minimal Protection Phase (Week 15-20)**

**Goals:** Maintain full ROM  
Improve muscular strength, power and endurance  
Gradually initiate functional activities

**Criteria to Enter Phase III**

- 1) Full non-painful ROM
- 2) Satisfactory stability
- 3) Muscular strength (good grade or better)
- 4) No pain or tenderness

**Weeks 15-18**

- Continue all stretching exercises (capsular stretches)
- Continue strengthening exercises:
  - Throwers ten program or fundamental exercises
  - PNF manual resistance
  - Endurance training
  - Restricted sport activities (light swimming, half golf swings)
  - Initiate interval sport program week 18

**Weeks 18-20**

- Continue all exercise listed above
- Process interval sport program (throwing, etc.)

**IV. Phase IV – Advanced Strengthening Phase (Weeks 21-24)**

**Goals:** Enhance muscular strength, power and endurance  
Progress functional activities  
Maintain shoulder mobility

**Criteria to Enter Phase IV**

- 1) Full non-painful ROM
- 2) Satisfactory static stability
- 3) Muscular strength 75-80% of contralateral side
- 4) No pain or tenderness

**Weeks 21-24**

- Continue flexibility exercises
- Continue isotonic strengthening program
- NM control drills
- Plyometric strengthening
- Progress interval sport programs

**V. Phase V – Return to Activity Phase (Months 7-9)**

**Goals:** Gradual return to sport activities  
Maintain strength, mobility and stability

**Criteria to Enter Phase V**

- 1) Full functional ROM
- 2) Satisfactory isokinetic test that fulfills criteria
- 3) Satisfactory shoulder stability
- 4) No pain or tenderness

**Exercises**

- Gradually progress sport activities to unrestrictive participation
- Continue stretching and strengthening program