

# Dr. Ben Szerlip

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## Arthroscopic Anterior Stabilization Rehabilitation Protocol

### Phase I – Immediate Post Surgical Phase (Day 1-21):

Goals:

- Protect the surgical repair
- Diminish pain and inflammation
- Enhance scapular function
- Achieve appropriate range of motion (ROM)

Precautions:

- Remain in sling, only removing for showering and elbow/wrist ROM
- Patient education regarding avoidance of abduction / external rotation activity to avoid anterior inferior capsule stress
- No Passive Range of Motion (PROM)/Active Range of Motion (AROM) of shoulder
- No lifting of objects with operative shoulder
- Keep incisions clean and dry

### Weeks 1-3:

- Sling at all times except where indicated above
- PROM/AROM elbow, wrist and hand only
- Normalize scapular position, mobility, and stability
- Sleep with sling
- Shower with arm held at your side
- Cryotherapy for pain and inflammation
- Begin isometrics week 3

### Phase II – Protection Phase/PROM (Weeks 4 and 5):

Goals:

- Gradually restore PROM of shoulder
- Do not overstress healing tissue

Precautions:

- Follow surgeon's specific PROM restrictions- primarily for external rotation

- No shoulder AROM or lifting

Criteria for progression to the next phase:

- Full flexion and internal rotation PROM
- PROM 30 degrees of external rotation at the side
- Can begin gentle external rotation stretching in the 90/90 position

### Weeks 4-5

- Wean from Sling
- PROM (gentle), unless otherwise noted by surgeon
  - Full flexion and elevation in the plane of the scapula
  - Full Internal rotation
  - External rotation to 30 degrees at 20 degrees abduction, to 30 degrees at 90 degrees abduction
- Sub maximal pain free rotator cuff isometrics in neutral

### **Phase III – Intermediate phase/AROM (Weeks 6 and 7):**

Goals:

- Continue to gradually increase external rotation PROM Full AROM

Independence with ADL's

- Enhance strength and endurance

Precautions:

- No aggressive ROM / stretching
- No lifting with affected arm
- No strengthening activities that place a large amount of stress across the anterior aspect of the shoulder in an abducted position with external rotation (i.e. no pushups, pectoralis flys, etc.)

### Weeks 6 and 7

- PROM (gentle), unless otherwise noted by surgeon
  - External rotation to 30-50 degrees at 20 degrees abduction, to 45 degrees at 90 degrees abduction
- Begin AROM of shoulder
  - Progress to full AROM in gravity resisted positions
- Begin implementing more aggressive posterior capsular stretching
  - Cross arm stretch
  - Side lying internal rotation stretch
  - Posterior/inferior gleno-humeral joint mobilization
- Enhance pectoralis minor length
- Scapular retractor strengthening

- Begin gentle isotonic and rhythmic stabilization techniques for rotator cuff musculature strengthening (open and closed chain)

#### **Phase IV - Strengthening Phase (Week 8 – Week 12)**

Goals:

- Continue to increase external rotation PROM gradually
- Maintain full non-painful AROM
- Normalize muscular strength, stability and endurance
- Gradually progressed activities with ultimate return to full functional activities

Precautions:

- Do not stress the anterior capsule with aggressive overhead strengthening
- Avoid contact sports/activities

#### **Weeks 8-10**

- Continue stretching and PROM
  - External rotation to 65 degrees at 20 degrees abduction, to 75 degrees at 90 degrees abduction, unless otherwise noted by surgeon.
- Progress above strengthening program

#### **Weeks 10-12**

- Continue stretching and PROM
  - All planes to tolerance.
- Continue strengthening progression program

#### **Phase V – Return to activity phase (Week 12 - Week 20)**

Goals:

- Gradual return to strenuous work activities
- Gradual return to recreational activities
- Gradual return to sports activities

Precautions:

- Do not begin throwing, or overhead athletic moves until 4 months post-op
- Weight lifting:
  - Avoid wide grip bench press
  - No military press or lat pulls behind the head. Be sure to “always see your elbows”

#### **Weeks 12-16**

- Continue progressing stretching and strengthening program
- Can begin golf, tennis (no serves until 4 mo.), etc.
- Can begin generalized upper extremity weight lifting with low weight, and high repetitions, being sure to follow weight lifting precautions as above.

**Weeks 16-20**

- May initiate interval sports program if appropriate

**Criteria to return to sports and recreational activities:**

- Surgeon clearance
- Pain free shoulder function without signs of instability
- Restoration of adequate ROM for desired activity
- Full strength as compared to the non operative shoulder (tested via hand held dynamometry)