



**POST-OPERATIVE REHABILITATION PROTOCOL FOLLOWING
ELBOW LATERAL COLLATERAL LIGAMENT RECONSTRUCTION (LCL)**

PRECAUTIONS: No elbow ROM for 3 weeks
Posterior splint at 90 degrees flexion with full pronation for 3 weeks
Slow progression with supination, elbow extension & elbow flexion to protect LCL
No weight bearing (CKC) exercises for 8-12 weeks
No excessive flexion for 8 weeks

I. IMMEDIATE POST-OPERATIVE PHASE (0-3 weeks)

Goals: Protect healing tissue
Decrease pain/inflammation
Retard muscular atrophy
Protect graft site – allow healing

A. Post-Operative Week 1

Brace: Posterior splint at 90 degrees elbow flexion
and full wrist pronation to control wrist rotation (3-4wks)

Range of Motion: Begin gradual wrist ROM

No ELBOW ROM
Shoulder ROM

Elbow postoperative compression dressing (5-7 days)
Wrist (graft site) compression dressing 7-10 days as needed

Exercises: Gripping exercises
Wrist ROM
Shoulder isometrics (No Shoulder ER or IR)

Cryotherapy: To elbow joint and to graft site at wrist

B. Post-Operative Week 2-3

Exercises: Continue all exercises listed above
Initiate shoulder ROM
NO ELBOW ROM

Cryotherapy: Continue ice to elbow and graft site

C. Post-Operative Week 3:

Brace: Remain in immobilizer

Exercises: Continue all exercises listed above
Initiate active ROM shoulder;
-Full can

-Lateral raises
-ER/IR tubing

* no supination 3-6 wks

Initiate light scapular strengthening exercises
May incorporate bicycle for lower extremity strength & endurance

II. INTERMEDIATE PHASE (Week 4-7)

Goals: Gradual increase to full ROM
Promote healing of repaired tissue
Regain and improve muscular strength
Restore full function of graft site

A. Week 4

Brace: Elbow Hinged ROM Brace 30- 100 (gradual increase elbow flexion)

Exercises: Begin PROM with neutral or in pronation
Begin light resistance exercises for arm (1 lb)
- Wrist curls, extensions, pronation, supination
- Elbow extension/flexion
Progress shoulder program emphasize rotator cuff and scapular strengthening
Initiate shoulder strengthening with light dumbbells

B. Week 5

ROM: Elbow ROM 30-125 degrees
Remain in ROM Brace

Continue all Exercises: Progress all shoulder and UE exercises (progress weight 1 lb.)

C. Week 6

AROM & PROM in Brace: 30-135 degrees

Exercises: Initiate Thrower's Ten Program
Progress elbow strengthening exercises
Initiate shoulder external rotation strengthening
Progress shoulder program

D. Week 7

Brace: Discontinue Brace at end of Week 6
Progress to full ROM
Progress Thrower's Ten Program (progress weights)

III. ADVANCED STRENGTHENING PHASE (Week 8)

Goals: Increase strength, power, endurance
Maintain full elbow ROM
Gradually initiate sporting activities

Week 8

Exercises: Initiate eccentric elbow flexion/extension
Continue isotonic program: forearm & wrist
Continue shoulder program – Thrower's Ten Program
Progress to isotonic strengthening program