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Goals:



# ULNAR MEDIAL COLLATERAL LIGAMENT RECONSTRUCTION

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

Protect Healing Tissue Decrease Pain/Inflammation Retard Muscular Atrophy Establish Limited Range-of-Motion

#### A. Post-Operative Week 1

**Brace** - Posterior splint at 90° elbow flexion **Range-of-Motion** - Wrist AROM extension/flexion Elbow Compression Dressing (2-3 days)

Exercises:	* Gripping exercises * Write ABOM - extension /flavion - our /propertien redict/ulgen deviation
	* Wrist AROM – extension/flexion, sup/pronation, radial/ulnar deviation * Shoulder Isometrics (**No shoulder IR/ER for the first 4 weeks)
	Flexion
	Extension
	Abduction
	Adduction
	* Biceps isometrics
Modalities:	Cryotherapy and electrical stimulation for pain/swelling
B. Post-Operative Week 2	

Brace - Application of functional brace set at 30-100°

Exercises:

\* Initiate wrist isometrics
\* Initiate elbow extension isometrics
\*Continue all exercises listed above
\*Scapular isometrics

#### C. Post-Operative Week 3

**Brace** - Advance brace 15-110° (Gradually increase range-of-motion - 5° extension/10° flexion per week)

**Exercises**:

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## II. INTERMEDIATE PHASE (Weeks 4-8)

Goals:	Gradual Increase in Range-of-Motion Promote Healing of Repaired tissue Regain and Improve Muscular Strength		
A. Week 4 Brace - Function	al brace set 10-120°		
Exercises:	<ul> <li>* Begin light resistance exercises for arm (1 lb.)</li> <li>- Wrist curls, extensions, pronation, supination</li> <li>- Elbow extension/flexion</li> <li>* Begin ER/IR submaximal isometrics with progression to light isotonics</li> </ul>		
	al brace set (0-130°); AROM (1-145°) without brace at end of week 6		
Exercises:	<ul> <li>* Progress Wrist &amp; Elbow strengthening exercises</li> <li>* Initiate tubing ER/IR at 0° abduction</li> <li>* Progress shoulder program emphasize rotator cuff strengthening (Emphasis on external rotation, sidelying position)</li> <li>* Initiate Throwers' Ten Exercise Program</li> <li>* Progress Shoulder Program</li> </ul>		
C. Week 8 Exercises:	* Continue Stretching Program for Elbow & Wrist Range-of-Motion * Gradual Progress of Strengthening Program		
III. ADVANCED STRENGTHENING PHASE (Weeks 9 -13)			
Goals:	Increase Strength, Power, Endurance Maintain Full Elbow ROM Gradually Initiate Sporting Activities		
A. Week 9 Exercises:	<ul> <li>* Initiate Eccentric Elbow Flexion/Extension</li> <li>* Initiate PREs Triceps Strengthening</li> <li>* Continue Isotonic Program; Forearm &amp; Wrist</li> <li>* Continue Shoulder Program - Throwers Ten Program</li> <li>* Manual Resistance Diagonal Patterns</li> <li>* Initiate Plyometric Exercise Program (2 Hands Drill)</li> <li>(Emphasis on Scapula, Rotator Cuff, Biceps &amp; Wrist Strengthening)</li> </ul>		
B. Week 11 Exercises:	<ul> <li>* Continue all exercises listed above</li> <li>* May begin light sport activities (i.e., golf, swimming)</li> <li>* Initiate plyometric exercise program (1 Hand Drills)</li> </ul>		

## IV. RETURN TO ACTIVITY PHASE (Weeks 14-26)

Goals: Continue to increase strength, power and endurance of upper extremity musculature Gradual return to sport activities

A. Week 14	
Exercises:	* Initiate Interval Throwing Program (Phase 1)* Week 16
	* Continue Strengthening Program
	* Emphasis on Elbow & Wrist Strengthening and Flexibility Exercises
B. Weeks 22-26	
Exercises:	* Progress to Interval Throwing Program (Phase II)*
	* Upon completion of Phase II of the Interval Throwing Program, progress to
	Competitive Throwing Program