Scott Adrian, M.D.

Advanced Orthopaedic Associates

2778 N. Webb Rd. Wichita , KS 67226

316-631-1600 Fax: (316) 631-1671 1 (800) 362-0591

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:

m)

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:	 * Begin light resistance exercises for arm (1 lb.) - Wrist curls, extensions, pronation, supination - Elbow extension/flexion * Begin ER/IR submaximal isometrics with progression to light isotonics 		
	al brace set (0-130°); AROM (1-145°) without brace at end of week 6		
Exercises:	 * Progress Wrist & Elbow strengthening exercises * Initiate tubing ER/IR at 0° abduction * Progress shoulder program emphasize rotator cuff strengthening (Emphasis on external rotation, sidelying position) * Initiate Throwers' Ten Exercise Program * Progress Shoulder Program 		
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:	 * Initiate Eccentric Elbow Flexion/Extension * Initiate PREs Triceps Strengthening * Continue Isotonic Program; Forearm & Wrist * Continue Shoulder Program - Throwers Ten Program * Manual Resistance Diagonal Patterns * Initiate Plyometric Exercise Program (2 Hands Drill) (Emphasis on Scapula, Rotator Cuff, Biceps & Wrist Strengthening) 		
B. Week 11 Exercises:	 * Continue all exercises listed above * May begin light sport activities (i.e., golf, swimming) * Initiate plyometric exercise program (1 Hand Drills) 		

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