



Oklahoma Shoulder Center PLLC
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Post-Operative Rehabilitation Protocol Following Ulnar Nerve Transposition

Phase I –Immediate Post-Operative Phase (Week 0-1)

- **Goals**
 - Allow soft tissue healing of relocated nerve
 - Decrease pain and inflammation
 - Retard muscular atrophy
- **Week 1**
 - Posterior splint at 90° elbow flexion with wrist free for motion (sling for comfort)
 - Elbow compression dressing
 - Exercises
 - Gripping
 - Wrist ROM (passive only)
 - Shoulder isometrics (no shoulder ER)
 - Discontinue splint at 7-10 days

Phase II –Intermediate Phase (Week 3-7)

- **Goals**
 - Restore full pain free range of motion
 - Improve strength, power, endurance of upper extremity musculature
 - Gradually increase functional demands
- **Week 3-5**
 - Progress elbow ROM, emphasize full extension
 - Initiate flexibility exercises for:
 - Wrist ext/flexion
 - Forearm supination/pronation
 - Elbow ext/flexion
 - Initiate strengthening exercises for:



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- Wrist ext/flexion
- Forearm supination/pronation
- Elbow ext/flexors

- **Week 6-7**
 - Continue all exercises listed above
 - Initiate light sport activities

Phase III –Advanced Strengthening Program (Week 8-12)

- **Goals**
 - Improve strength/power/endurance
 - Gradually initiate sporting activities
- **Week 8-11**
 - Initiate eccentric exercise program
 - Initiate plyometric exercise drills
 - Continue strengthening and flexibility exercises
 - Initiate interval throwing program for throwing athletes

Phase IV –Return to Activity (week 14-32)

- **Goals**
 - Gradual return to activities