



The Orthopedic Center of St. Louis

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Distal Triceps Tendon Repair

Distal triceps tendon repairs usually involve a direct tendon to bone (olecranon) repair with either transosseous sutures and/or suture anchors. Dr. Sridhar Pinnamaneni typically uses transosseous sutures. Immediately after surgery the elbow is splinted in about 60 degrees of flexion and neutral forearm rotation to relax the repair. This splint is maintained until the first post-operative visit, usually 1-2 weeks after surgery. At the first post-operative visit the splint and surgical dressing are removed, and the patients are placed in a hinged elbow ROM brace set at 0-90 degrees flexion. The patient must use the sling attachment to protect the repair. The brace is to be worn at all times, except when doing exercise, dressing or bathing, until the seventh week after surgery. At the first physical therapy evaluation patients should be taught a home exercise program to be performed five times daily. These should consist of:

Week 1-6

Passive Self Assisted Elbow Extension

Active Assisted Elbow Flexion to 90 degrees x 4 weeks, then may progress to full flexion

Passive Self Assisted Forearm Supination

Passive Self Assisted Forearm Pronation

Hand, Wrist, Shoulder ROM to prevent stiffness

The elbow brace should be worn at all times with the sling attachment except to perform exercises, or dress and bathe with assistance until the 7th week after surgery. The brace is removed to perform exercises. Elbow extension should not be limited unless specifically indicated.

Each set of stretching exercises should be done for 5 repetitions, holding each repetition for 10 seconds. Patients may shower during this time. Most patients should have greater than 90 degrees elbow flexion arc motion after 6 weeks, depending upon the tightness of the repair.

Week 7

Brace is discontinued

Begin light active use

No aggressive or repetitious activity

Continue passive stretching to achieve full range of motion

Begin active range of motion exercises elbow flexion and extension, and forearm supination, pronation.

Week 7-8

Begin elbow flexion and extension, and forearm pronation and supination isometrics. Continue passive stretching to achieve full range of motion.

Week 12

Begin progressive resistive strengthening: TheraBand, Thera Tube, grip strengthening, and progress to weights.

Continue passive stretches to achieve full range of motion.

Note: If stiffness is noted, strengthening should be delayed.

Week 12-26 (6 months)

Progressive gradual increase in resistance exercises and activities. Avoid overloading triceps muscle/tendon unit.

Full unrestricted activity is permitted after 6 months for most patients depending upon patient activity demands.