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TOTAL ELBOW ARTHROPLASTY Rehabilitation Protocol

Introduction

- **Goal:** Regain strength and obtain functional range of motion (ROM).
- Active ROM exercises should be performed with the elbow close to the body to avoid excessive stretch of the reconstructed elbow collateral ligaments.

Phase I (0 to 3 days)

- Teach shoulder, wrist and hand ROM exercises
- Once dressings are removed POD #2, fit with elbow extension brace to be worn when not exercising and at night.
- Begin active ROM exercises for the elbow once dressings are removed. Exercise should be done 6 times per day for 15 minutes.

Phase II (4 to 14 days)

- Continue with ROM exercise of elbow and gradually increase range.

Phase III (2 to 5 weeks)

- Begin passive ROM exercises to elbow.
- Functional electrical stimulation (FES) may be begun to stimulate biceps or triceps.

Phase IV (6 to 7 weeks)

- Discontinue elbow extension splint during the day if elbow stability is adequate.
- Begin elbow ROM exercise with elbow away from body.

Phase V (8 to 12 weeks)

- Discontinue elbow extension splint at night.
- Initiate gradual, gentle strengthening exercises for hand and forearm. Light resistance may be begun to the elbow.
- Work on any deficits.

A handwritten signature in purple ink, appearing to read "J. K. Lowry".

Jason K. Lowry, MD