



## Dr. Hagan Postoperative *Reverse* Total Shoulder Rehabilitation Protocol

### Overview

#### Phase I: 1<sup>st</sup> Week

- For primary reverse shoulder arthroplasty patients, exercises can begin and include the following:
  - Pendulum exercises, wall walk exercises for forward elevation, rotation limited to 0 degrees.
- For revision reverse shoulder arthroplasty patients, the arm may be kept in immobilization for 2-4 weeks

#### Phase II: Weeks 2-4

- After suture or staple removal, patients may begin to use tub or pool
- Exercises may include the following: (2-3 times per day)
  - Pendulum exercises, walk wall exercises
  - Passive ROM for shoulders only
  - Flexion encouraged (goal is maximum of 140 degrees)
    - May use pulley, wall walk, cane exercises to assist forward flexion
  - Allow external rotation to 20 degrees
  - Allow internal rotation to abdomen
  - Allow abduction to 70 degrees
  - Avoid shoulder extension beyond neutral
  - Avoid active internal rotation
- Allow active use of elbow and hand while keeping shoulder immobilized
- Use arm immobilizer at all times with few exceptions. It may be removed when bathing, performing exercises, and when sitting at rest

#### Phase III: Weeks 5-8

- Wean use of sling
- Begin isometric strengthening for scapular stabilizers, glenohumeral joint (deltoid) and elbow
- Use weight of arms as only resistance
- Gradually increase ROM with passive, active and active-assisted motion in all planes
- Goals: Flexion (180 degrees), Abduction (90 degrees), Internal rotation to perineum, External rotation to 40 degrees

#### Phase IV: Weeks 8-12

- Begin resistance strengthening at lowest level tolerated. Increase gradually
- After 12 weeks, resume activity as tolerated when strength has reached 50% normal strength
- Full healing expected 6-9 months. Maximum improvement at 12 months

If the surgery required bone grafting, fracture repair, or was performed through a superior approach, strengthening exercises are not started until 6 weeks post op.