Adam Seidl, MD Associate Professor Shoulder/Elbow Surgery Department of Orthopedics University of Colorado



Highlands Ranch Hospital (720) 516-4090 Inverness (303) 694-3333 Anschutz Medical Campus (720) 848-1900

Rehabilitation Protocol Proximal Humerus Fractures: Nonoperative Treatment

Outpatient Physiotherapy Phase 1: (Weeks 2-4)

ROM

- Cervical, elbow and wrist ROM
- Pendulum exercises
- Instruct in home program

Strengthening

- No cuff strengthening
- Begin and instruct in program of postural correction
- May begin scapular retraction and depression •
- Grip strengthening

Sling

Arm in sling at all times except for exercises and bathing; Includes sling at night (sleeping in recliner chair optimal); Discontinue sling between 2-4 weeks

Outpatient Physiotherapy Phase 2: (Weeks 5-8)

ROM

- Begin self-assisted forward elevation to 90° and progress in 20° increments per week •
 - May use pulléys
- Begin self-assisted ER with progressive return to full in 20° increments per week IR in scapular plane as tolerated (No IR behind back)
- No cross body adduction
- Grade I-II scapulothoracic and glenohumeral mobilizations

Strength

- No cuff strengthening
- Continue scapular retraction and depression
- Lower extremity aerobic conditioning

Other

- Modalities to decrease pain and inflammation
- Cryotherapy as necessary •

Outpatient Physiotherapy Phase 3: (Weeks 9-12)

ROM

- Progressive return to full forward elevation and external rotation •
- May begin posterior capsular stretching program
- May begin IR behind back Grade III-IV glenohumeral and scapulothoracic mobilizations
- Begin anterior chest wall stretches (pectoralis minor)

Strength

Instruct in home program and begin submaximal isometrics in flexion, abduction, IR, ER and

extension

- Add progressive isotonics with low resistance, high repetitions as tolerated
- Emphasize anterior deltoid strength and scapular stabilization

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- Emphasize upper trapezius, serratus anterior force couple rehabilitation to create stable • scapular base Assess for and correct compensatory movement patterns
- •
- UBE with low resistance
- Continue aerobic conditioning

Outpatient Physiotherapy Phase 4: (> Week 12)

ROM

- Progressive return to full motion in all planes •
- Emphasize posterior capsule stretching •
- Maintenance home flexibility program

Strength

- Continue rotator cuff and scapular strengthening program
- Progressive increase in resistance as strength improves Continue UBE with progressive resistance as tolerated Recreation/vocation specific rehabilitation Maintenance aerobic conditioning home program
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