Proximal Humeral Fracture Post-Surgical Rehabilitation Protocol (OPEN REDUCTION / INTERNAL FIXATION)

PHASE 1 (Immediate Post-Operative Phase): Generally 0-6 Weeks Post-Op

Rehabilitation Goals

- · Bony healing occurs usually within 6 to 8 weeks in adults
- Return to normal function and motion may require 3 to 4 months
- Increase ROM while protecting the fracture site (you can be slightly more aggressive with this vs. a closed fracture due to the hardware fixation)
- Control pain and swelling (with exercise and modalities)
- Perform frequent gentle exercise to prevent adhesion formation
- Phase I Early Motion Phase (0 5 weeks)
 - Week 1 Early Passive Motion
 - Wear the sling at all times except to exercise
 - Hand, wrist, elbow, and cervical AROM
 - Grip and wrist strengthening
 - PROM: ER to 30° and flexion to 130°
 - Modalities as needed for pain relief or inflammation reduction
 - Week 2 Active Assisted ROM
 - Begin pendulum (Codman) exercises
 - Begin pulley for flexion and abduction
 - Begin gentle AAROM flexion to 140°
 - Supine ER with a stick to 40°
 - Keep arm in plane of scapula
 - Scapular Stabilization
 - S/L scapular clocks
 - Seated scapular retractions
 - Week 3 4 AAROM and Isometrics
 - Continue all exercises
 - Begin S/L assisted forward elevation
 - Begin submaximal isometrics IR, ER, Flex, Ext, and ABD
 - Begin flexion and ABD on slide board or table



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PHASE 2: Generally 7-12 Weeks Post-Op

- Week 4 6 AROM
 - Establish full PROM
 - Begin AROM
 - Supine flexion with and without stick
 - Progress to sitting (or standing) flexion with a stick
 - Sitting flexion with elbow bent and arm close to the body
 - Raise arm over head with hands clasped
 - Perform ER and ABD with hands behind head
 - Eccentric pulleys
 - Sidelying ER
 - Prone Ext and ABD
 - Serratus Punches
 - Continue PROM and begin patient self stretching (week 6)
 - Wall Walking
 - Doorway ER stretch
 - S/L post. Capsule stretch
 - Begin multi-angle isometrics
- Week 8 Early Resisted ROM
 - Begin Theraband for IR, ER, flexion, ABD, and extension
 - Begin supine IR, ER with 1# (with arm supported at 15° ABD)
 - Begin UBE no resistance
 - Progress to adding weight to above exercises only if pain-free
 - Biceps / Triceps strengthening with dumbbells

PHASE 3: Generally 12+ Weeks Post-Op

- Isotonic strengthening with weights all directions
- Increase theraband or use rubber tubing
- Increase stretches on door and add prone stretches
- Begin functional or sport activity for strength gain



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