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PROXIMAL HUMERUS FRACTURE NONOPERATIVE PROTOCOL

Phase 1: 1-3 Weeks

Appointments	No PT for 3 weeks, unless otherwise specified by MD
Rehabilitation Goals	 Modalities to control pain and swelling Protect fracture site Maintain ROM in surrounding joints Prevent deconditioning
Precautions	 ROM and WB'ing limitations per MD Sling at all times x 3 weeks (or per MD) No cuff strengthening
Suggested Therapeutic Exercises	AROM cervical, elbow, wrist and hand Scapular clocks, shrugs, pinches, PNF
Cardiovascular Exercises	Bike in sling, walking on treadmill in sling
Progression Criteria	X-ray evidence of healing Clearance from MD to begin PT

Phase 2: 3-6 Weeks

Appointments	 Begin physical therapy at 3 weeks post injury if cleared by MD Physical therapy 1-2 x/week
Rehabilitation Goals	 Regain full ROM Restore GH and scapula-thoracic rhythm Minimize deconditioning Modalities to control pain and swelling

Phase 2: 3-6 weeks (Continued)

(Phase II continued) Precautions	 DC sling x 3 weeks if cleared by MD AAROM to 90 degrees forward flexion and 40 degrees ER
Suggested Therapeutic Exercises	 AROM cervical, elbow, wrist and hand Pendelums Gripping exercises Scapular PNF Progress to full PROM all planes Supine AAROM for flexion (90 degrees), ER (40 degrees) and hyperextension. Submaximal RTC isometrics in neutral for IR, ER, EXT and ABD
Cardiovascular Exercises	Treadmill, bike
Progression Criteria	X-ray evidence of healingFull PROM
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Phase 3: 6-8 Weeks

Appointments	Continue physical therapy 1-2 x/week
Rehabilitation Goals	Restore full AROM Increase strength
Precautions	Allowed full PROM, AAROM and AROM without substitution
Suggested Therapeutic Exercises	 Begin with supine AROM flexion, no weights; progress to weights Standing wand assisted flexion Pulleys with eccentric lowering of involved arm Progress all other AROM, supine first then standing PNF
Cardiovascular Exercises	Bike, treadmill, light jogging/swimming (if cleared by MD)
Progression Criteria	Full AROM

Phase 4: 10+ Weeks

Appointments	Continue physical therapy 1-2 x/week
Rehabilitation Goals	Increase RTC strength Restore scapula-humeral rhythm
Precautions	None
Suggested Therapeutic Exercises	 Posterior capsule stretching if indicated Isotonic exercises for RTC, scapular muscles PNF Theraband rows, ER, IR, shoulder extension Progressive strengthening program using bands, light dumbbells for RTC, deltoid and scapula Prone scapular strengthening (T's, Y's, W's) Begin overhead exercises (if no impingement): ball taps Total Gym pull ups
Cardiovascular Exercises	No restriction unless directed by MD
Progression Criteria	DC to HEP