

## **PATELLAR TENDONITIS PROTOCOL**

### **GOALS:**

- Reduce pain/inflammation/ecchymosis
- Maximize ROM/flexibility of quadricep
- Maximize strength of quadricep
- Normalize gait pattern with/without assistive device
- Educate client in home exercise program and self-management techniques
- Return to ADL's/recreational/occupational activities

### **PHASE I – Maximal Protection Phase**

- Use assistive device as necessary to normalize gait pattern
- Anti-inflammatory/pain modalities to patellar tendon (iontophoresis etc)
- AROM exercises/gentle flexibility exercises
- Advise in ADL's/home exercise program/self-management techniques

### **PHASE II – Moderate Protection Phase**

- D/C assistive device when gait pattern has normalized
- Continue anti-inflammatory modalities prn
- Begin soft tissue massage as indicated (cross friction etc)
- Progress ROM exercises/flexibility exercises (passive stretch→contract/relax)
- Initiate strengthening (quad sets → SLR's → closed chain → open chain)
- Initiate endurance exercises:
  - Stationary cycling (high seat, low resistance)
  - Swimming
  - Stairmaster
  - Treadmill

### **PHASE III – Minimal Protection Phase**

- Continue ROM and flexibility exercises
- Progress strengthening (high speeds/low resistance → low speeds/mod resistance)
- Progress endurance activities and begin form running/jogging as tolerated
- Initiate agility/plyometric/return to sport program
- Educate client in HEP and appropriate time-table for return to sport/recreational/occupational activities
- Advise client in use of patellar strap (Cho-pat type brace) for sport



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