Quadriceps Tendon Reconstruction Physical Therapy Protocol

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Patient Name:	Date of Surgery:
Procedure: Right / Left Quadriceps Tendon Reconstruction	
Frequency: 2x per week forweeks	

Phase I (0-6 weeks): Period of protection (PT to initiate at 4 weeks post op)

- **Weightbearing:** Non-weight bearing (NWB) for two weeks. As tolerated with crutches, locked in extension between 2-6 weeks.
- **Brace:** Locked in extension during all weight bearing activities and during sleep. May be unlocked for PROM as detailed below.
- ROM:
 - No active extension or forced passive flexion.
 - All ROM should be non-weightbearing (NWB) and with the brace on following this progression:
 - 0-4wks: Brace locked at 0°
 - 4-5wks: Brace unlocked from 0-30°
 - 5-6wks: Brace unlocked from 0-60°
 - 6-7wks: Brace unlocked from 0-90°
- Therapeutic exercises:
 - o Hip/ankle ROM exercises 2-3x/day
- **Restrictions:** No quadriceps strengthening

Phase II (6-12 weeks): Initiate regular, supervised strengthening and wean from the brace

- Weightbearing: As tolerated. Wean from crutches.
- **Brace:** Fully unlocked. May discontinue at 8 weeks if ambulating with a normal gait and can perform SLR without an extension lag.
- **ROM:** Advanced as tolerated. Goal 0-130° by weeks 12.
- Therapeutic exercises:
 - o Initiate isometric quad sets
 - o SLRs
 - o Progress to closed chain strengthening (no open chain) once out of the brace

Phase III (3-6 months): Advanced strengthening.

- Rehabilitation Goals: Return to activities.
- Weightbearing: Full.
- **ROM:** Full.
- Therapeutic exercises:
 - o As above plus:
 - o Advance strengthening as tolerated with closed chain exercises
 - o 6 months:
 - Jogging and progress to agility training
 - Sports specific rehab as tolerated
 - o 7 months:
 - Wean patient from formal therapy and encourage independent home program