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Quadriceps Tendon Repair Rehabilitation Protocol

Brace locked at 0° for ambulation for 6-8 weeks with use of bilateral axillary crutches.

Initia	l Visit: Dressing change	
	Start P.T. at 2-3 weeks	
	May start WBAT with brace locked in extension	
	At 2-3 weeks home E-stim unit (if needed) for quadriceps muscle re-ed.	
	At 3 weeks pt can WBAT with brace locked in extension.	
	At 6 weeks typically can open the brace 0-90° with ambulation with bilateral axillary crutches, unless of specified.	therwise
PREC GOAI	AUTIONS: Avoid impact loads/sudden activation (eccentric load)	
	A/AAROM 90-100° by 6 weeks, 0-110° by week 8, 0-130° by week 10, and 0-135° by week 12.	
Weel	<u>: 1-4</u>	
	tive ROM knee extension.	
	PROM knee ext to 0 degrees	
	AROM/AAROM knee flexion – very gently	
	Gradually unlock brace for sitting as PROM knee flexion improves	
Exerc		
	Ankle pumps, Patellar mobilizations, Hamstring stretch sitting, Gastroc stretch with towel, Heel slides	
	Quad sets – may add E-stim for re-education at 2-3 weeks upon MD approval	
	SLR all directions, active assistive flexion- start at 3rd post-op week – do not allow lag – use e-stim as no after 2-3 weeks. If unable to achieve full extension, perform SLR in knee immobilizer	eeded
Weel		
	ually increase A/AAROM knee flexion	
Exerc		
	Submaximal multi-angle isometrics (30-50% only), Continue knee flexion ROM – rocking chair at home, SLR 4 way – no weight for flexion – watch for extensor lag – increase resistance for hip abduction, addu and extension.	
	<u>< 6-8:</u>	
	– unlock for sitting to 90 degrees at 6 weeks. If quad control sufficient at 8 weeks unlock brace 0-90° for	
	lation with bilateral axillary crutches and gradually open brace as ROM improves. Progress to ambulation	
	s with no crutches as quadriceps strength allows. D/C crutches and brace at 8-12 weeks depending on pat	:ient's
-	riceps control. Emphasize frequent ROM exercises	
	- Gradually increase P/A/AAROM during weeks 6-8	
Exerc		
L		
	 Week 6 – bike (begin with rocking and progress to full revolutions Week 6 – Closed chain terminal knee extension with theraband 	
L	week o – Closed Chain terminal knee extension with theraband	

Note: These instructions are to serve as guidelines and are subject to Physician discretion. Actual progress may be faster or slower depending on the individual.





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Week	6-8 Continued:
	Week 6 – SAQ (AROM)
	Week 7 – LAQ (AROM)
	Week 8 – SAQ (gradually increase resistance)
	Week 8 – LAQ (gradually increase resistance)
	Week 8 – weight shifts
	Week 8 – balance master and/or BAPS – with bilateral LE weight bearing
	Week 8 – cones
Week	
Exercis	
	Total gym level 5-6
	Bilateral leg press – concentric only – no significant load work until 12 weeks.
	Weight shift on minitramp
	Toe rises
	Treadmill – Concentrate on pattern with eccentric knee control
Week	
Exercis	
	Leg press – Gradually increase weight and begin unilateral leg press at week 12 Wall squats
	Balance activities: unilateral stance eyes open and closed, balance master
	Standing minisquats
	Step-ups – start concentrically, 2" to start and progress as tolerated
	Week 16 – lunges
	Week 16 – stairclimber/elliptical machine
	RIA TO START RUNNING PROGRAM
	Patient is able to walk with a normal gait pattern for at least 20 minutes without symptoms and performs ADL's
	pain free
	ROM is equal to uninvolved side, or at least 0-125 degrees
	Hamstring and quadriceps strength is 70% of the uninvo

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