<u>Cartilage Repair or Transplantation - Patella or Trochlea</u> <u>Physical Therapy Protocol</u>

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Patient Nam	ne:	Date of Surgery:
Procedure: F	Right / Left Cartilage Restoration of Pa	itella / Trochlea
Associated P	Procedure (checked if performed): Partial Meniscectomy Meniscus Repair	
Frequency:	2x per week forweeks	
СРМ		
	te POD1	
	rm 3x per day in 2-hour sessions (6 hou	urs per day)
	nce motion 5-10° each day as tolerated	1 0,
	0-2 weeks: 0-30°	within the following guidelines
_	2-4 weeks: 0-60°	
	4-6 weeks: 0-90°	
	6-8 weeks: 0-120°	
	Goal: Full ROM by week 8	
Phase I (0	0-8 weeks): Period of protection.	
•	Weightbearing:	
	0	bearing (TTWB) in brace, locked in
	o 2-8 weeks: As tolerated (WB	AT) in brace, locked in extension
•	•	nes except for hygiene, CPM and home
•	ROM:	
	 Per CPM Guidelines above 	

o PROM/AAROM and stretching under guidance of PT

o Goal: Full ROM between 6-8 weeks

Therapeutic exercises (all NWB):

o 0-2 Weeks:

- Quad sets, SLR, calf pumps, passive leg hangs to 45° at home
- o 2-8 Weeks:
 - Gentle patella mobilizations, quad/hamstring/glute sets, SLR, sidelying hip and core

Phase II (8-12 weeks):

- Weightbearing/Brace:
 - As tolerated (WBAT) in brace, unlocked and discontinued when quadriceps strength is regained.
- **ROM:** Full without limitations
- Therapeutic exercises (all NWB):
 - o 8-10 Weeks:
 - Advance Phase I exercises
 - Initiate stationary bike without resistance.
 - o 10-12 Weeks:
 - Gait training, begin closed chain activities (wall sits, mini-squats, toe raises)
 - Begin unilateral stance activities, balance training

Phase III (3-6 months):

- Weightbearing: As tolerated without bracing
- **ROM:** Full without limitations
- Therapeutic exercises (all NWB):
 - o Advance Phase II exercises
 - o Maximize core/glutes, pelvic stability work, eccentric hamstrings
 - o Advanced to elliptical and pool as tolerated
 - o 4 months: Jogging, progress to agility exercises

Phase IV (6-9 months):

- Weightbearing: As tolerated without bracing
- **ROM:** Full without limitations
- Therapeutic exercises (all NWB):
 - Advance functional activity. Post-exercise soreness should resolve within 24 hours
 - o Return to sports typically at 8-9 months