

Meniscal Repair: SIMPLE Postoperative Therapy Plan

Date of Surgery:	
Details of Surgery:	
Surgeon:	
Next Follow Up with MD/PA:	
Additional Info:	

Restrictions/Precautions:

WB Precautions:

- Flat foot touch down using bil crutches with brace locked in extension x 2 weeks
- WBAT with brace locked in extension for weeks 3+4
- FWB with brace 0-90° for weeks 5+6

Brace:

- Locked into extension x 4 weeks
- Unlocked 0-90° for weeks 5+6 when weight bearing
- Discharge brace beginning at week 7 unless otherwise instructed by surgeon

Other Precautions:

- WB restrictions as above
- ROM limited from full extension to 90° in NWB position x 4 weeks
- Hold bike x 4 weeks

Important Notes:

- 1. Weeks and months are designated in their relationship to the postoperative timeline in the grids below (e.g. Week 1 indicates postoperative days 0-7).
- 2. If a precaution/restriction is listed x 4 weeks it indicates **a full 4 weeks**, so it is lifted after day 28.
- 3. Notes above supersede any notes in the grid below, as they indicate the surgeon's preferences for this individual patient and the circumstances of their surgery.



	Phase 1: Acute Postop (Weeks 1-4)
PRECAUTIONS	 Brace locked in extension x 4 weeks Flat foot touch down WB using bil crutches x 2 weeks WBAT with brace in extension x 2-4 weeks AROM limited from full extension to 90° in NWB positions x 4 weeks Hold bike x 4 weeks
Rehab Focus	 Repair protection Pain and swelling reduction Knee mobility: hyperextension to 90° unless otherwise indicated Quad activation Gait training as per precautions Patient education
Interventions to Consider	Pain and swelling: - Ice, compression, elevation - Ankle pumps Mobility: - PROM of knee into flexion (to 90°) and extension, attention to hyperextension - AROM into flexion (to 90°) and extension - Low intensity, long duration stretches (eg. heel prop) - Patellar mobilization
	Strength: - Quad sets progressing to SLR without lag - NMES - BFR encouraged if appropriate Gait: - FFWB with brace locked in extension x 2 weeks, WBAT with brace locked in extension for weeks 2-4

Phase 2: Subacute Postop (Weeks 5-7)	
1. <u>5 weeks</u> : Brace unlocked 0-90° WBAT	
PRECAUTIONS	2. <u>7 weeks</u> : Discharge brace unless otherwise instructed by surgeon
	 If struggling to achieve symmetric extension, consider discussion with surgeon
Rehab Focus	Repair protection
	Hyperextension AROM
	Progressive flexion AROM
	Quad strength
	Proprioception
	Gait training in brace progressing to FWB



Interventions to Consider Mobility: Continued attention to knee hyperextension Progressive knee flexion Initiate bike without resistance, may initiate elliptical Continue previous interventions as appropriate Strength: BFR encouraged if appropriate, attention to quad engagement/endurance Introduce CKC exercises in pain free range with brace Progress proximal (hip + core) strength/endurance SL step ups Neuromuscular Re-Education: Proprioception: Single leg stability Gait: Work toward even WB without compensation in brace at 6 weeks Attention to TKE integration into gait, ample swing limb clearance Initiation of reciprocal stair climbing Cardio: Bike without resistance, may initiate elliptical Initiation of swimming or pool walk/jog if incisions fully closed **Criteria for Progression to Phase 3:** Symmetric extension AROM SLR x 20 without extension lag FWB without gait deviation **Important Milestones:** Flexion AROM within 80% of uninvolved Pain free DL squat to 60° with symmetric loading

Phase 3: Late Postop (Weeks 8-11)	
PRECAUTIONS	 No CKC past 90° D/c brace unless otherwise instructed by referring provider If struggling to achieve symmetric extension, consider discussion with surgeon
Rehab Focus	 Repair protection Functional movement optimization Strength progression to SL Neuromuscular control + endurance
Continue previous interventions as	Mobility: - Knee ROM normalized - Work toward CKC ankle dorsiflexion > 35° or within 5° of limb symmetry Strength: - PREs for LE strengthening
appropriate	- Progress SL CKC loading with attention to mechanics



	Neuromuscular Re-Education: - Proprioception + single leg stability: O Progress to include ball tosses, neurocognitive challenges as appropriate
	<u>Cardio</u> :
	- Continued cycling, swimming, elliptical
Criteria for Progression to P	hase 4:
Maintain symn	netric extension ROM
Minimal to no	joint effusion with activity
Pain free DL sq	uat to 60° with optimal mechanics
Important Milestones:	
Flexion AROM	within 90% of uninvolved
SL stance x 60	sec without LOB

Phase 4: Progressive Functional (Months 3-4)	
PRECAUTIONS + Considerations	Movements should remain primarily in sagittal plane
Rehab Focus	 SL strength + endurance Eccentric control Light impact acceptance + mechanics
Interventions to Consider Continue previous	Strength: - Continued progression of quad, hamstring, proximal strength + control - Increased emphasis on SL loading
interventions as appropriate	 Functional Training: Continue SL stability progression: Reaches outside of BOS, ball tosses, neurocognitive challenges as appropriate Initiate submax sagittal plane hop progression with attention to mechanics: DL symmetric > DL asymmetric > SL hop
	<u>Cardio</u> : - Continued cycling, swimming, elliptical
Criteria for Progression to F SL squat x 10 v LQYBT compos	with optimal mechanics
HS and Quad s	ROM within 5° of uninvolved strength ≥ 75% LSI anics with SL hopping in place x 30



	Phase 5: Sport Specific Prep (Months 4-5)
Rehab Focus	 Strength progression Power development, plyometric progression and mechanics Multidirectional movement control
Interventions to Consider	Strength: - Continued progression of quad, hamstring, proximal strength + control - SL strength and stability with increased load
Continue previous interventions as appropriate	Power + Plyometrics: with attention to mechanics: - Moderate intensity - Progress power & eccentric control - Progress speed of force generation
	 Sport Specific Prep: Increase difficulty of neurocognitive tasks Initiate running progression if:
Important Milestones: Quad strength HS strength >5	n >70% BW

Phase 6: Progressive Sport Specific (Months 6-8)		
Rehab Focus	•	Optimize physical performance, power, and capacity
	•	Sport specific movements and patterns



Interventions to Consider	Strength:
	- Continued progression of quad, hamstring, proximal strength + control
	- Functional loaded strengthening progressions
Continue previous	
interventions as	Sport Specific:
appropriate	- Power progression
	- Controlled multiplanar movements and hops with optimal mechanics
	- Initiate controlled pivoting and cutting
	- Continued progression of neurocognitive tasks
	Cardio:
	- Continued cycling, swimming, elliptical, running
Criteria for Progression to F	Phase 7:
Hop Testing LS	SI >90%
HS and Quad s	strength LSI >90%
Optimal mech	anics with plyometrics, pivoting
Important Milestones:	
Discuss with p	atient their specific deficits and their sport specific concerns

Phase 7: Return to Sport Prep (Months 9-12)	
Rehab Focus	Symmetrical strength and power
	Optimal biomechanics with sport specific activities
	Patient confidence in return to sport
Interventions to Consider	Strength:
	- Continued progression of quad, hamstring, proximal strength + control
	- Functional loaded strengthening progressions
Continue previous	
interventions as	Sport Specific:
appropriate	- High intensity sport specific movement re-training, sport specific drills
	- Power and plyometric under fatigued conditions, neurocognitive demands
	Cardio:
	- Continued cycling, swimming, elliptical, running
Criteria for Return to Sport	: See SLHS Return to Sport Testing Protocol
LQYBT compos	site ≥ 95%
Hop Testing LS	SI ≥ 95%
Quad and Han	nstring LSI ≥ 95%
Hamstring to 0	Quad ratio ≥ 67%
Quad Torque	≥ 3Nm/Kg