

lacktriangle

Lateral Meniscus

Root Repair										OK		OFI	וטו	CS
Name:														
Dr: Dr. Chris LaPrade					Do	ate:								
•= Do exercise for that week	We	ek												
Initial Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24
Flexion/Extension – seated foot slides - "Hamstring Light" x 6 weeks	0-90° >90° AAROM KF			AROM - progress to full gradually								,		
Ankle pumps + nerve glides	•	•	•	•	•	•								
Patella/Tendon mobilization	•	•	•	•	•	•	•	•						
Heel prop knee extension stretch	•	•	•	•	•	•	•	•						
Quad isometric in extension	•	•	•	•	•	•	•	•						
Calf stretch with belt/strap	•	•	•	•	•	•	•	•						
Seated hamstring stretch	•	•	•	•	•	•	•	•						
Band-resisted ankle plantarflexion			•	•	•	•	•	•	•	•				
Bridge in knee ext - calves over ball				•	•	•	•	•	•	•	•	•	•	
Quad strength progressions	0° ISOs, SLR 60°ISO		70-30° arc - resisted			Full arc - resisted								
SLR hip ABD, Ext (brace on)			•	•	•	•	•	•	•	•				
Hamstring strength progressions	No	No isolated, resisted HS (root) ISOs, hip-based Resiste												
Cardiovascular Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24
Stationary Bike							Light	t		Prog	gress	grad	lually	1
Treadmill walking (no limp)										•	•	•	•	•
Swimming – light flutter kick			NWB							•	•	•	•	•
Elliptical trainer											•	•	•	•

Weight **Bearing status**

Golf progression

Outdoor biking, hiking, snowshoeing

Return to sport progressions

BRACE SETTINGS

Immobilizer x 6 weeks

ROM **RESTICTIONS**

0-90° x 2 weeks Then progress as tol (*AAROM "hamstring light" knee flexion x 6 weeks)

NWB x 6 weeks

TIME LINES

Week 1(1-7POD) Week 2(8-14POD) Week 3(15-21POD) Week 4(22-28POD)

Stair stepper											•	•	•	•
*NOTE FOR CARDIO					•	_			•	•			rease teppe	
Weight Bearing Strength	1	2	3	4	5	6	7	8	9	10	12	16	20	24
Crutch weaning – return to FWB						•	•	•						
Marching into brief SLS							•	•	•	•	•	•	•	
SLS balance progressions								•	•	•	•	•	•	•
Squat/Leg Press (ISO→reps, 2→1 leg)			NWB					0-4	15°	0-7	70°	>70	°grac	dual
Step-up/Lunge Progressions									ISO	Os	0-7	70°	>7	′0°
Dead lift (2→1 leg)									•	•	•	•	•	•
Band resisted directional stepping											•	•	•	•
Agility Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24
Agility: single→multi-plane			NWB										•	•
Return to run criteria													ile no Je/BV	
Sport Performance (TRAC) Test			Вс	ıselin	e tes	t: 6 r	nont	hs, F,	/u te	st: 12	mor	nths		
High Level Activities	1	2	3	4	5	6	7	8	9	10	12	16	20	24

NMES & BFR encouraged (per any contraindications)

NWB

PRECAUTIONS	NO resisted hamstring curling, tibial ER, cross-legged sitting, squat >70° x 4 months, NO aggressive cutting/pivoting x 6 months
ABBREVIATIONS	(HE) Hyperextension, (ISO) Isometric, (KF) knee flexion, (LAQ) Long arc quad, (NWB) Non-weight bearing, (PRE) progressive resistance exercise, (SAQ) short arc quad, (SLR) straight leg raise, (SLS) single leg stance, (TKE) terminal knee extension

POST-KNEE SURGERY RETURN TO ACTIVITY GUIDELINES/CRITERIA								
Return to run guidelines	≥16 weeks post-op, YBT-Anterior ≤8 cm SSD, walk ≥1 mile no limp/no pain, Quad strength ≥70% LSI, ≥60% peak torque/BW							
Return to jump guidelines	≥20 weeks post-op, YBT(A) ≤4 cm SSD, Quad strength ≥80% LSI, ≥80% peak torque/BW, tolerate hopping/skipping drills with no increased soreness/swelling, tolerate lunge/squat/step single leg training progressions							
	In addition to TRAC testing goals (listed below), patient must achieve the following:							
	8+ weeks progressive strength training							
Return to sport guidelines	4+ weeks neuromotor training program							
	4+ weeks within-sport practice progression (per MD/PT team clearance)							
	2-3+ weeks graduated return to competition (per MD/PT team clearance)							

POST-KNEE SURGERY "TRAC" PHYSICAL PERFORMANCE TESTING - TIMELINES & GOALS

TRAC Test Activity	4 Month Goals	6-7 Month Goals	9-10 Month Goals
Knee Extension ROM	≤5° SSD	≤0° SSD	≤0° SSD
Knee Flexion ROM	≤10° SSD	≤5° SSD	≤0° SSD
YBT(A) Squat SSD	≤8 cm SSD	≤4 cm SSD	≤4 cm SSD
Max YBT(A) squat depth relative to LL	≥55% of LL	≥70% of LL	≥70% of LL
Repeated single leg squat (one leg rise test)	25 reps to 60° KF	25 reps to 90° KF	25 reps to 90° KF
2 leg squat symmetry (over force plates)	≤10% off-shift	≤5% off-shift	≤5% off-shift
Hip ABD strength LSI	≥80% LSI	≥90% LSI	≥90% LSI
Hip ABD strength relative to BW	≥20% of BW	≥25% of BW	≥30% of BW
Quad strength LSI	≥70% LSI	≥80% LSI	≥90% LSI
Quad strength relative to BW	≥70% of BW	≥80% of BW	≥90% of BW
Hamstring strength LSI		≥75% LSI	≥90% LSI
Single leg hop (SLH) test LSI		≥80% LSI	≥90% LSI
SLH distance relative to LL (norm comparison)		≥80% of norms	≥90% of norms
Triple hop test LSI		≥80% LSI	≥90% LSI
Triple hop distance (norm comparison)		≥80% of norms	≥90% of norms
2 leg jump (off shift at take-off/landing)		≤20% off shift	≤10% off shift
Peak knee flexion angle SSD with hop landing		≤20° SSD	≤10° SSD

Abbreviations for both tables above: (ABD) abduction, (BW) body weight, (ISO) isometric, (LL) leg length, (LSI) limb symmetry index, (norm) age & sex-matched normative data, (PRE) progressive resistance exercise, (ROM) range of motion, (SLR) straight leg raise, (SSD) side to side difference, (TRAC) testing to return to athletic competition, (UE) upper extremity, (YBT(A)) Y-balance test anterior reach