

## ACL Reconstruction (BPTB Autograft), Lateral Meniscus Radial/Root Repair, LET (lateral extra-articular tenodesis), Medial Meniscus Ramp Repair

	Name:															
	Dr: Dr. Chris LaPrade						Date	э:								
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2011	●= Do exercise for that week	Wee	k													
ROM RESTRICTIONS	Initial Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24	
KESTRICTIONS	Seated foot slide knee flexion	<90°		90°	AROM -			)M -	progress to full gra				dually			
0-90° x 2 weeks	AAROM "HS light" x 4 weeks		AA	ROM						1	Ι				T	
Then progress	Heel prop knee extension stretch	•														
as tol	Ankle pumps + nerve glides	•				-										
(*AAROM	Patella/Tendon mobilization															
"hamstring	Calf stretch with belt/strap	•	•		•	•	•		•							
light" knee	Seated hamstring stretch	0.7 11			400	100	70	221		<u> </u>	<u>.                                    </u>			L	<u>.                                    </u>	
flexion x 4 weeks)	Quad strength progressions	0° ISOs, SLR											- resisted			
weeks)	Multi-direction hip strength			s stres:	•				ess m	nulti-	direc	tion (	as tolerated			
	Hamstring strength progressions	No is		ed, res OM kr				nd	ISC	s, hi	p-ba:	sed		ee-ba sisted		
BRACE	Bridging	Kn		n exte				II		lassi	c brid	dae i		essio		
SETTINGS	Cardiovascular Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24	
			-1	1				DM				<u> </u>			<u> </u>	
Immobilizer x 6	Stationary Bike			NO			01	nly	Gro	aduc	ally pr	ogre	ss int	ensity	/	
weeks	Swimming – light flutter kick								•	•	•	•	•	•	•	
	Treadmill walking (no limp)		١	1WB						•	•	•	•	•	•	
Weight	Elliptical trainer		'	444D								•	•	•	•	
Bearing status	Stair stepper											•	•	•	•	
-	*NOTE FOR CARDIO			erate o											1	
NWB x 6 weeks	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								•	•	•	•	•	•	•	
TIME LINES	Squat/Leg Press (ISO→reps, 2→1 leg)		١	1WB					0-4	45°	0-7	70°	>70	°grac	dual	
	Step-up/Lunge Progressions			2							Os .		70°		70°	
Week 1 (1-7POD)	Dead lift (2→1 leg)									•		•	•	•		
Week 2(8-14POD) Week 3(15-21POD)	Band resisted directional stepping										<u> </u>	•	•	•	•	
Week 4(22-28POD)	Agility Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24	
	Initial – single plane agility	-												•	•	
	Advance – multi directional agility		1	1WB											•	
	Return to run guidelines				*(	See h	oack	nac	le of	prote						
	Sport Performance (TRAC) Test		F	Baselir				<u> </u>		•		) mo	nths			
	High Level Activities		2	3	4	5	6	7	8	9	10	12	16	20	24	
	Golf progression	1	_	J	_							12	.0	20	•	
	Outdoor recreation progressions		١	١WB							+					
	Return to sport progressions			,,,,							+				•	
	**NMES & BFF	Enco	urac	od (n	or a	nv c	onti	rain	dica	tion	_ c\**					
	No resisted ham			•								enisc	cus)			
	THE TOURS OF THE TENT		1	,	- IJ''	(				1 1 1		J. 1130	1			

**PRECAUTIONS** 

**ABBREVIATIONS** 

Limit squat depth to ≤70° x 4 months (meniscus), NO ER (cross-legged sitting) x 4

exercise, (SLR) straight leg raise, (TKE) band-resisted terminal knee extension

months (meniscus), Avoid aggressive twisting/pivoting x 6 months (ACL & meniscus) (ISO) isometric, (KF) knee flexion, (LAQ) long arc quad, (PRE) progressive resistance

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/B\ 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:					
	>9 months post-op					
	16+ weeks progressive strength training					
Return to sport guidelines	10+ weeks neuromotor training program					
	6+ weeks within-sport practice progression (per MD/PT team clearance)					
	3+ weeks graduated return to competition (per MD/PT team clearance)					

## POST-KNEE SURGERY "TRAC" PHYSICAL PERFORMANCE TESTING - TIMELINES & GOALS (Will be performed at TCO/Training HAUS in Eagan, MN)

TRAC Test Activity	4 Month Goals	7 Month Goals	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