

Lateral Meniscus Radial Repair

Name: _____

Dr: Dr. Matthew Rasmussen

Date: _____

● = Do exercise for that week

Week

ROM RESTRICTIONS

0-90° x 2 weeks
then progress

*AAROM
"hamstring
light" knee
flexion through
2 weeks

BRACE SETTINGS

Immobilizer
x 6 weeks

Weight Bearing status

NWB x 6 weeks

TIME LINES

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

Initial Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24		
Seated foot slide knee ROM (AAROM "HS light" x 6 weeks)	<90° AAROM		>90° AAROM			AROM - progress to full gradually										
Heel prop knee extension stretch	●	●	●	●	●	●	●	●								
Ankle pumps	●	●	●	●	●	●										
Patella/Tendon mobilization	●	●	●	●	●	●	●	●								
Quad isometric in extension	●	●	●	●	●	●	●	●								
Calf stretch with belt/strap	●	●	●	●	●	●	●	●								
Seated hamstring stretch	●	●	●	●	●	●	●	●								
Band-resisted ankle plantarflexion			●	●	●	●	●	●	●	●						
Quad strength progressions	0° ISOs, SLR			60°ISO		70-30° arc - resisted					Full arc - resisted					
Bridging	Knees in extension over ball							Classic bridge progressions								
SLR hip ABD, ADD, Ext	No side lying ABD *varus stress @ knee					All directions hip strength allowed										
Hamstring strength progressions	No isolated, resisted HS							ISOs, hip-based				Knee-based Resisted arc				
Cardiovascular Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24		
Stationary bike	NWB					ROM only			Gradually progress							
Treadmill walking (no limp)										●	●	●	●	●		
Swimming – light flutter kick										●	●	●	●	●		
Elliptical trainer, stair stepper											●	●	●	●		
*NOTE FOR CARDIO	Must tolerate daily walking with no limp & no significant increase in pain/swelling prior to initiating WB cardio (walk, elliptical, stepper)															
Weight Bearing Strength	1	2	3	4	5	6	7	8	9	10	12	16	20	24		
Crutch weaning – return to FWB	NWB					●	●									
Marching into brief SLS							●	●	●	●	●	●	●			
SLS balance progressions								●	●	●	●	●	●	●		
Squat/Leg Press (ISO→reps, 2→1 leg)								0-45°			0-70°		>70°gradual			
Step-up/Lunge Progressions									ISOs			0-70°		>70°		
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		
Initial – single plane agility	NWB												●	●		
Advance – multi directional agility															●	
Return to run criteria	≥16 wks post-op, YBT-Anterior ≤8 cm SSD, walk ≥1 mile no limp/no pain, Quad strength ≥70% LSI, ≥60% peak torque/BW															
Sport Performance (TRAC) Test	Baseline test: 6 months, F/u test: 12 months															
High Level Activities	1	2	3	4	5	6	7	8	9	10	12	16	20	24		
Golf & recreation progressions	NWB													●		
Return to sport progressions															●	

****NMES & BFR Encouraged (per any contraindications)****

KEY PRECAUTIONS	No resisted hamstring curling through arc of motion x 4 months (root) Limit squat depth to ≤70° x 4 months (root), NO ER (cross-legged sitting) x 4 months Avoid aggressive twisting/pivoting x 6 months (ACL & root)
ABBREVIATIONS	(ISO) isometric, (KF) knee flexion, (LAQ) long arc quad, (PRE) progressive resistance exercise, (SLR) straight leg raise, (TKE) band-resisted 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
Return to sport guidelines	In addition to TRAC testing goals (listed below), patient must achieve the following: 8+ weeks progressive strength training 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
<i>Max YBT(A) squat depth relative to LL</i>	≥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
<i>Hip ABD strength relative to BW</i>	≥20% of BW	≥25% of BW	≥30% of BW
Quad strength LSI	≥70% LSI	≥80% LSI	≥90% LSI
<i>Quad strength relative to BW</i>	≥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
<i>SLH distance relative to LL (norm comparison)</i>		≥80% of norms	≥90% of norms
Triple hop test LSI		≥80% LSI	≥90% LSI
<i>Triple hop distance (norm comparison)</i>		≥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