

Proximal Tibial Osteotomy (opening wedge)

	Name:														
	Dr: Dr. Chris LaPrade Date:														
	7				_			-							
	●= Do exercise for that week	We	ek												
ROM	Initial Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24
RESTICTIONS	Heel prop knee extension stretch	C)°		Не	el pr	op ir	nto h	yper	exter	nsion	= ot	her kı	nee	
Full ROM within	Ankle pumps & nerve glides	•	•	•	•	•	•	•	•						
symptoms	Patella/Tendon mobilization	•	•	•	•	•	•	•	•						
	Calf stretch with belt/strap	•	•	•	•	•	•	•	•						
*No	Seated foot slides – knee ROM	•	•	•	•	•	•	•	•						
hyperextension x 1-2 weeks for	ROM Goals	Extension: Week 1: 0°, Week 2+: Symmetrical HE Flexion: Week 2: 90°, Week 6: 120°, Weeks 8-10: Full flexion ROM													
comfort	Band resisted ankle strength		•	•	•	•	•	•	•	•					
	Quad muscle ISOs	0° ISOs/SLR ISO in flexion (foot on floor)				Multi-angle ISOs (foot unsupported = ok)									
BRACE	Quad – additional training	S	SLR, re	siste	d TKE		LA	۹Q - r	no lo	ad	R	esiste	ed ar	c - PF	RE
SETTINGS	SLR hip ABD, ADD, Ext (brace on)	Standing (band above knees)				es)	Side lying + resistance band								
	Bridging	NO KE/calves over exercise ball					Classic bridge progression								
Immobilizer x 8	Hamstring strength progressions	No HS beyond AROM IS					IS	Os Gradually load PRE							
weeks	Cardiovascular Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24
	Stationary bike		No	o Bike)			ROM	1		Prog	ressiv	e int	ensity	y
Weight	Swimming – light flutter kick									•	•	•	•	•	•
Bearing status	Treadmill walking (no limp)	NWB • • •										•			
	Elliptical trainer/Stair stepper												•	•	•
NWB x 8 weeks	Weight Bearing Strength	1	2	3	4	5	6	7	8	9	10	12	16	20	24
FWB @ week 12	Crutch weaning – return to FWB									25% BW/week FWB					
per x-ray	Marching into brief SLS	NWB x 8 weeks								•	•	•	•	•	
	SLS balance progressions	Initiate WB at week 8									•	•	•	•	•
TIME LINES	Squat/Leg Press (ISO→reps, 2→1 leg)	PWB→FWB Progress 25% BW per week x 4 PWB→FWB >70°graduc										dual			
	Step-up/Lunge Progressions] ,, ,,	weeks ISOs 0-70° >70° (MD will confirm bone healing											70°	
Week 1(1-7POD)	Straight leg dead lift (2→1 leg)										•	•	•	•	•
Week 2(8-14POD)	Band resisted directional stepping	ρ	prior to full WB @ week 12)									•			
Week 3(15-21POD)	Agility Exercises	1	2	3	4	5	6	7	8	9	10	12	16	20	24
Week 4(22-28POD)	Initial agility: single→multi-plane			1	1WB									•	•
	Physical Performance (TRAC) Test	Baseline test: 6 months, F/u test:							t: 12	: 12 months					
	High Level Activities	1	2	3	4	5	6	7	8	9	10	12	16	20	24
	Outdoor recreation progressions		A DAVID								•				
	Return to sport progressions	NWB									•				

NMES & BFR permitted/encouraged per any underlying contraindications

		NO varus or valgus stress through limb (side lying hip ABD/ADD lifts) x 8 weeks, NO
PRECAUTIONS	<u>resisted</u> HS or Quad strength through arc of motion with lower leg/foot hanging	
	freely (SAQ/LAQ, HS curls) x 6-8 weeks (per bone healing status confirmed with x-	
		ray/MD), NO twisting, pivoting, aggressive directional movements x 6 months
ABBREVIATIONS		(BW) body weight, (FWB) full weight bearing (HE) hyperextension,(HS) hamstring,
	ZIATIONS	(ISO) Isometric, (KE) knee extension, (KF) knee flexion, (NWB) Non-weight bearing,
	VIAIIONS	(PRE) progressive resistance exercise, (SAQ) short arc quad, (SLR) straight leg raise,
		(SLS) single leg stance, (TKE) terminal knee extension