## Anteromedialization & Tibital Tubercle Osteotomy (AMZ-TTO) Rehabilitation Protocol

	Weight-bearing	Brace	Range of Motion	Exercises
Phase 1 0-2 weeks	Heel touch only	On at all times during day and while sleeping	0-90° at home	Calf pumps, quadriceps
				tightening sets and SLR <b>in</b>
		Off for hygiene and exercises		brace, modalities
Phase 2 2-6 weeks	Heel touch only	Off at night Open 0-90°	Maintain full extension and progress flexion	Progress non-weight-bearing flexibility
				Begin floor-based core, hip and gluteal strengthening
				Advance quadriceps strengthening, patellar mobilization and SLR
Phase 3 6-8 weeks	Advance 25% weekly and progress to full with normalized gait pattern	None	Full	Advance closed chain quadriceps strengthening, progress balance, core/pelvic and stability work
				Begin stationary bike at 6 weeks
				Advance SLR, floor-based exercises, hip/core
Phase 4 8-16 weeks	Full	None	Full	Progress flexibility and strengthening, progression of functional balance, core, glutes program
				Advance bike after 12 weeks
				Outdoor cycling, elliptical, swimming after 12 weeks
Phase 5 16-24 weeks	Full	None	Full	Maximize single leg dynamic and static balance
				Glutes/ pelvic stability/core + closed-chain quad program and HEP independent
				Begin training sport-specific drills as tolerated after 16 weeks once cleared by MD

CPM - continuous passive motion machine; SLR - Straight-leg raise;