

Post-op recove	ry First 2 weeks	Date
Goals	 Protect the knee and surgical incision 	
	 Recover from swelling and inflammation 	
	 Control of post-surgical pain 	
Precautions	 Non-weight bearing on crutches 	
Brace	 Locked in extension 	
	 At rest the brace can be loosened to allow swelling 	
	and discomfort to settle	
	Sleep in brace	
Recommendations	 Rest and elevate as required 	
	 Ice the knee up to 3 times a day – particularly in the 	
	first 72 hours	
	 Range of motion exercises of ankle 	
	 Range of motion exercises of hip 	
Exercise	 Static quads contraction 	
suggestions	 Supine straight leg raise 	
	Side leg raise	
	 Ankle pumps 	
	 Supine knee extension – foot elevated/supported 	
Criteria for	 Healed surgical incisions 	
progression		

Phase 1	Week 2 to week 6	
Goals	Begin range of motion - gentle	
	 Begin strengthening hip and core 	
Precautions	 Non-weight bearing on crutches 	
	 The foot may rest on the ground when stationary 	
Brace	 Locked in extension when mobilising 	
	 Unlock brace at rest and when doing ROM exercises 	
	 At rest the brace can be loosened to allow swelling 	
	and discomfort to settle	
	 Sleep in brace (locked in extension) weeks 3-4 	
	 Sleep without brace weeks 5-6 	
Recommendation	 Gently move knee from 0 – 90 degrees (wear brace 	
	but unlock). No resistance, no strengthening	
	 Hip and gluteal muscle strengthening 	
	 Ankle range of motion 	
Exercise	Static quads contraction	
suggestions	 Supine straight leg raise in locked brace 	
	 Ankle pumps 	
	 Supine bed supported knee bend 	
	 Sitting supported knee bend 	

•	Supine knee extension – foot elevated/supported	
•	Side leg raise – knee straight in locked brace	

Phase 2	Week 7 to week 12	
Goals	Comfortably walk normally	
	Increase range of motion	
Precautions	 No running No deep squats (including kneeling, crouching down to or sitting on floor) No forced high flexion of the knee (0-100 degrees only) 	
Brace	No brace required	
Recommendations	 Gradually begin taking weight through your leg when you walk. Fully weight bear as able Discard crutches when walking safely Achieve full extension – passive and active Flex actively as comfortable, but no forced high flexion (0-110) Gluteal and hip strengthening Ankle and calf strengthening Short walks 	
Suggested exercises	 Wall slide mini squat Double leg squats (0-60) Sitting unsupported knee extension and flexion Single leg stance – knee straight, knee flexed Straight leg raise Step ups Double calf raises progress to single calf raise Side leg raise – knee straight, knee flexed Gluteal band exercises Bridging with gluteal contraction Exercycle – low resistance, short interval 	
Criteria for progression	 Walking 20 minutes without pain or swelling Neuromuscular and strength training exercises without difficulty Full ROM 	

Phase 3	3 Months – 6 months	
Goals	Running on flat surface	
	Jumping (double leg)	
	Hop Tests 75% of contra-lateral side	
	 Hopping without pain, swelling, or giving way 	
Precautions	Run on flat stable surface in daylight	
	 No pivoting or cutting activities or sports 	

ACL with meniscal repair

Recommendations	 Passive stretching to achieve full extension and flexion Concentrated full rehab program that includes strengthening of core, hip flexors, gluteal muscles, external rotators of the hip, quadriceps, hamstrings and calves. Neuromuscular control and co-ordination of leg 	
Suggested exercises	 Running on flat even surface. Gradually increasing distance Aggressive strength training Hamstrings, Quads, calves, adductors, abductors, core strength Cycling with high resistance (standing permitted) Neuromuscular Training: Wobble board, rocker board, roller board, varied surfaces Begin gentle pivoting and direction changing Cardio: Running, swimming, cycling, stair climber, elliptical trainer 	
Criteria for progression	 Maximum vertical jump without pain or instability 75% of contralateral on hop tests Run at 75% speed without difficulty Some confidence with pivoting and changing direction 	

Phase 4	6 Months – 12 months	
Goals	100% contralateral strength	
	 85% contralateral on hop tests 	
	Running without pain	
	 Absolute confidence with pivoting and turning 	
Precautions	 NO pivoting or contact sports 	
	 Can return to non-competitive non-contact sport training 	
Recommendations	 Gain and maintain endurance and strength 	
	 Sport specific functional training 	
	 Graduated return to cutting and pivoting movements 	
	Neuromuscular control and coordination	
Suggested	Running on flat even surface. Sprinting. Direction	
exercises	changes	
	Aggressive strength training Hamstrings, Quads,	
	calves, adductors, abductors, core strength	
	 Cycling with high resistance (standing permited) 	
	Hopping, jumping	
	 Pivoting and direction changes 	
	Begin cutting (non-competitive environment)	

ACL with meniscal repair

	 Cardio: Running, swimming, cycling, stair climber, elliptical trainer
Criteria for	Return to sport criteria
progression	-One year post reconstruction
	-No functional complaints
	 -Confidence when running, cutting, jumping at full
	speed
	 -85% contralateral values on hop tests