

PHASE 1: Immediate Post-Op (Surgery – 6 Weeks)					
	□ Protection of the post-surgical knee				
Goals	☐ Restore normal knee range of motion and patellar mobility				
	□ Eliminate effusion				
	□ Restore leg control				
	☐ Weeks 1-3: Non-weight bearing (use crutches)				
Crutches	□ Weeks 4-6: Touchdown weight bearing 25%				
	□ 0-6 Weeks: locked extension lock splint brace				
Cryotherapy	□ Cold with compression and elevation				
	☐ First 24 hours: ice every hour for 25 minutes				
	☐ After 24 hours: ice 3 times daily for at least 15 minutes				
	ROM	□ <u>Weeks 1-2</u> : 0-90		Knee extension on a bolster	
		□ <u>Weeks 3-4</u> : 0-110		Prone Hangs	
		□ Weeks 5-6: 0-125		Supine wall slides	
		☐ Beginning week 4: use		Assisted heel slides	
		contralateral leg to create		Continuous passive motion	
		ipsilateral passive range of motion and swimming		machine	
-	MUSCLE ACTIVATION	☐ Quadriceps firing			
Exercises		☐ Straight leg raises			
		☐ 4-way leg lifts in standing with brace on			
		□ Patellar mobilizations			
		☐ Soft tissue mobilizations			
	CARDIOVASCULAR	☐ Upper body circuit training or up	per body	y ergometer	
Progression Criteria	□ 6 weeks post-operative				
	☐ Have met the goals of phase 1				
	☐ Trace to no effusion				
	☐ Full knee extens	ion			



PHASE 2: Weeks 7 – 12						
	☐ Single leg stand control					
Goals	□ Normalize gait					
	☐ Good control and no pain with functional movements					
Crutches	☐ Begin progressive weight bearing as tolerated with axillary crutches and no brace					
Precautions	☐ Minimize post-activity swelling					
	☐ Avoid loading knee in deep flexion angles					
	□ No impact activities until 12 weeks post surgery					
		□ Weight shifting				
		☐ Increase pool program – gait drills and initiation of protected				
		weight bearing strengthening				
	MUSCLE ACTIVATION	☐ Double leg balance and proprioceptive drills				
Exercises	WOSCLL ACTIVATION	□ Stationary bike				
		☐ Protected weight bearing hip and core strengthening				
		☐ Quadriceps strengthening – closed chain exercises short of 60				
		degrees knee flexion				
	CARDIOVASCULAR	☐ Non-impact endurance training, swimming, deep water run,				
	CAMDIOVASCULAN	upper body circuits				
	□ Normal gait					
ъ.	☐ Full range of motion					
Progression Criteria	☐ Minimal effusion					
	☐ Ability to carry out functional movements without unloading affected leg					
	☐ Single leg balance greater than 15 seconds					



PHASE 3: 4 Months Post-Op					
Goals	☐ Good control and no pain with sport and work specific movements				
Precautions	☐ Post-activity soreness should resolve within 24 hours				
	☐ Avoid post-activity swelling				
	☐ Avoid knee pain with strengthening				
Exercises		Functional leg strengthening			
		□ Squats			
		□ Lunges			
		☐ Step backs			
	MUSCLE ACTIVATION	□ Retro step ups			
		☐ Single leg leg press			
		Single leg balance and proprioception progression			
		☐ Hip and core strengthening			
		☐ Mini band drills			
		□ Physio ball			
	CARDIOVASCULAR	☐ Non-impact activities: stationary bike, elliptical, Nordic track,			
		swimming			
Progression Criteria	☐ Dynamic neuromuscular control with multi-plane activities, without pain or swelling				



PHASE 4: 6 Months Post-Op				
Goals	☐ Good control and no pain with sport and work specific movements, including impact			
Precautions	<ul> <li>□ Post-activity soreness should resolve within 24 hours</li> <li>□ Avoid post-activity swelling</li> <li>□ Avoid knee pain with impact</li> </ul>			
Exercises	MUSCLE ACTIVATION  CARDIOVASCULAR	<ul> <li>□ Impact control exercises beginning 2 feet to 2 feet, progressing from 1 foot to the other and then 1 foot to the same foot</li> <li>□ Movement control exercise beginning with low velocity, single place activities and progressing to higher velocity, multi-plane</li> <li>□ Sport/work specific balance and proprioception</li> <li>□ Stretching for patient specific muscle imbalances</li> <li>□ Replicate sport or work specific energy demands</li> </ul>		
Return to	□ 8 months post-surgery AND good dynamic neuromuscular control with multi-plane			
<b>Moderate Impact</b>	activities, without pain or swelling			
Sport Criteria				
(Jogging,				
Aerobics)				
Return to High	□ 10 months post-surgery AND good dynamic neuromuscular control with multi-plane			
Impact Sport	activities, without pain or swelling			
Criteria				