Patient Name:		Date:
Evaluate and Treat	Provide patient with home program	
Frequency:x/week x	_ weeks	
Phase I: 0 - 6 Weeks		

Precautions:

- PRICE (Protect, Rest, Ice, Compress, Elevate) protocol
- Avoid hyperextension (12 weeks)
- Prevent posterior tibial translation (12 weeks)
- Isolated hamstring exercises should be avoided until week 12
- Partial WB with crutches (2 weeks)
- Prone passive ROM from 0-90 degree for the first 2 weeks, and then progress to full ROM
- PCL Jack brace or Rebound brace to be worn at all times, including rehabilitation and sleep (minimum of 12 weeks)

Goals

- PCL Ligament protection
- Edema reduction to improve passive ROM and quadriceps activation
- Address gait mechanics
- Patient education

Therapeutic exercise

- Patellar mobilizations
- Prone passive ROM
- Quadriceps activation
- Quadriceps sets
- Straight leg raises (SLR) once the quadriceps are able to lock joint in terminal extension and no lag is present
- Gastrocnemius stretching
- Hip abduction/adduction
- Stationary bike with zero resistance when ROM < 115 degree
- Weight shifts to prepare for crutch weaning
- Pool walking to assist with crutch weaning
- Calf raises and single leg balance when weaned from crutches
- Upper body and core strength as appropriate

Phase II: 6 - 12 Weeks

Precautions

- Continued avoidance of hyperextension
- Prevent posterior tibial translation
- Limit double leg strengthening exercises to no more than 70 degree of knee flexion
- WBAT
- Full ROM, supine and prone ROM after 6 weeks
- PCL Jack brace or Rebound Brace to be worn at all times

Goals

- PCL ligament protection
- Full ROM
- Address gait mechanics during crutch weaning
- Double leg strength through ROM (no greater than 70 degree knee flexion) and single leg static strength exercises
- Reps and set structure to emphasize muscular endurance development (3 sets of 20 reps)

Therapeutic exercise

- Continue PRICE protocol
- Continue exercises as weeks 1-6
- Gastrocnemius and light HS stretching
- Leg press limited to 0-70 degree of knee flexion
- Squat progression
- Static lunge
- HS bridges on ball with knees extended
- Progressive resistance stationary bike
- · Light kicking in pool
- Incline treadmill walking (7-12% incline)
- Single leg dead lift with the knee extended
- Proprioceptive and balance exercises

Phase III: 12-18 Weeks

Precautions

Discontinue PCL Jack brace

Goals

- Reps and set structure to emphasize muscular strength development
- Progress ROM strength to beyond 70 degree knee flexion
- Isolated HS exercises may begin after week 12
- Prepare athlete for sport-specific activity

Therapeutic exercise

- Double leg press with progression to single leg
- Single leg knee bends
- Balance squats
- Single leg dead lift
- Single leg bridges starting during week 16
- Continue bike and treadmill walking
- Running is allowed once the patient has demonstrated sufficient strength and stability with functional exercise and quad girth is >= 90% compared to the contralateral normal side
 - Week 1 = 4 min walk; 1 min jog for 15-20 min
 - Week 2 = 3 min walk; 2 min jog for 20 min
 - Week 3 = 2 min walk; 3 min job for 20 min
 - Week 4 = 1 min walk; 4 min jog for 20 min
 - Once running progression is completed, continue single plane agility with progression to multi-planar agility
- Clinical examination and/or PCL stress radiographs to objectively verify healing of PCL after week 15

This protocol is adopted from Pierce CM, O'Brien L, Grifin LW, LaPrade RF. Posterior cruciate ligament tears: Functional and postoperative rehabilitation. Knee Surgery, Sports Traumatology, Arthroscopy. 2013; 21(5): 1071-1084. http://doi.org/10.1007/s00167-012-1970-1

By signing this refe	erral, I certif	y that I have examined this patient and physical therapy is medically necessary.	
This patient	_would _	would not benefit from social services.	
Physician Name:		Date:	

