Tel: (212) 598-6784



## Non-Operative Rehabilitation Program for PCL-Deficient Knee

Name:	Date:
Diagnosis:	Date of Surgery:
• <u>Day 1</u> -	Brace ROM: 0-70° Weight-bearing: two crutches as tolerated Muscle Stimulation: muscle stimulation to quads Exercises  Quad sets Straight leg raises (all 4 planes) Knee extension (60° to 0°) Multi-angle isometrics at 60°, 40°, 20° (for quads) Mini squats (0-50°)
• Dov. F	• Leg press (45-90°)
• <u>Day 5</u> .	Brace ROM: 0-90° Weight-bearing: progress as tolerated Exercises Continue all strengthening exercises Initiate wall squats Initiate proprioception training
• Weeks	

## PHASE II -MODERATE PROTECTION PHASE (Week 3-6)

- Week 3
  - o Brace: discontinue
  - o ROM: to tolerance (0-125°)
  - o Exercises
    - Continue all above exercises (progress weight)
    - Bicycle
    - Stairmaster
    - Rowin
    - Knee extension (90-0°)
    - Mini squats (45-60°) (0-60°)
    - Wall squats (0-75°)
    - Step-ups



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- Hamstring curls (light resistance) (0-45°)
- Hip abduction/adduction
- Toe-calf raises
- Proprioception training (biodex stability system)
- Week 4-6
  - o Brace: fit for functional brace
  - Exercises
    - Continue all above exercises
    - Pool running
    - Agility drills

PHASE III -	MINIMAL PRO	<b>OTECTION</b>	PHASE
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- Exercises
  - Continue all strengthening exercises
  - o Initiate running program
  - Gradual return to sport activities
- Criteria to Return to Sport Activities
  - o Isokinetic quadriceps torque to body weight ration
  - o Isokinetic test 85% > of contralateral side
  - o No change in laxity
  - o No pain/tenderness/swelling
  - o Satisfactory clinical exam

Comments:		
Frequency: times per week	Duration: weeks	
Signature:	Date:	