



ACL RECONSTRUCTION W/ MENISCUS REPAIR PHYSICAL THERAPY PROTOCOL

COLUMBIA UNIVERSITY CENTER FOR SHOULDER, ELBOW AND SPORTS MEDICINE

Louis U. Bigliani, MD
Office (212) 305-5564
Fax (212) 305-0999

Christopher S. Ahmad, MD
Office (212) 305-5561
Fax (212) 305-4040

William N. Levine, MD
Office (212) 305-0762
Fax (212) 305-4040

Appointment Scheduling
(212) 305-4565

Mailing Address:
622 West 168th Street, PH-11
New York, NY 10032

Office Locations:
16 East 60th Street
New York, NY 10022

161 Ft. Washington Ave.
New York, NY 10032

500 Grand Avenue
Englewood, NJ 07631

www.nyp.org/columbiaortho

Weeks 0-2

**Primary goals: Eliminate swelling; ROM – full extension; TDWB;
Regain quad control**

- TDWB 4 weeks
- Brace locked in extension for ambulation with crutches with return of active straight leg raise
- Brace locked in extension for sleep
- ROM limited to 0-90°
- Patella mobilization

NOT COMPLETE

Weeks 2-4

**Primary goals: Increase ROM; Increase total leg strength;
Normalize gait**

- ROM as tolerated (minimum 0-110°)
- Emphasize patellar mobilization
- Stationary bike
- Step ups: anterior – 4 inches @ 2 weeks; 6 inches @ 3 weeks
- Balance board – Bilateral: frontal and sagittal planes
- Half squats
- BAPs – FWB
- Unilateral stance
- Leg press – Bilateral 0-90°

Weeks 4-6

**Primary goals: Normal ADLs; Increase functional capacity;
Increase strength**

- ROM – WNL
- Treadmill walking (if gait normal)
- Stairmaster – ipsilateral rotation and straight
- Mini squats – bilateral
- Step ups – Anterior: 8 inches
- Step ups – Anteromedial: 8 inches
- Step downs – Anterior & medial: 4 inches, progress to 8 inches
- Unilateral squats, stance, quad sets

**ACL RECONSTRUCTION W/ MENISCUS REPAIR
PHYSICAL THERAPY PROTOCOL**

Weeks 6-10

Primary goals: Increase functional leg strength; Normalize balance and proprioception

- 2# ball toss on trampoline – unilateral stance – increase dispersion with improved control
- Balance board – unilateral – sagittal & frontal
- Step downs – posterolateral @ 8 inches
- Lunges – anterior and lateral for distance and speed (not depth)
- Increase strengthening especially in frontal and transverse planes
- Stairmaster – contralateral rotation and straight
- Sliding board
- Slow jogging (straight ahead)

Weeks 10-14

Primary goals: Increase agility and speed of training; Normalize strength; Increase muscular endurance

- Sliding board side-side with rotation
- Lunges – anterolateral, anteromedial
- Bilateral hopping – low intensity/high volume
- Fitter side-side

Months 4-6

Primary goals: Gradual return to athletic activity; Discharge onto home program

- Jumping
- Unilateral hopping
- Agility drills; running, cutting