

MPFL RECONSTRUCTION

WITH PATELLOFEMORAL

CARTILAGE REPAIR

REHABILITATION PROTOCOL

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|  | **WEIGHT BEARING** | **BRACE** | **ROM** | **EXERCISES** |
| **PHASE I**0-2 weeks | WBAT in full extension with locked brace  | On at all times during day and while sleeping\*\* | 0-30°Emphasis on extension | Ankle pumps, gastroc stretch, SLR in brace, gentle ROM within restrictions, modalities |
| **PHASE II** 2-6 weeks | WBAT in full extension with locked brace | On at all times during day and while sleeping\*\* | Maintain full extension/hyperextensionProgress flexion by 30° every 2 weeks. Goal full extension and 90° flexion by 6 weeks | Ankle pumps, gastroc stretch, SLR in brace, gentle ROM within restrictions, modalities Start biking with no resistance at 6 weeks |
| **PHASE III**6 weeks -4 months | WBAT with brace set 0-30 for week 6, then 0-60 for week 7, then unlocked brace at 8 weeks | Transition to patellar-stabilizing brace at 8 weeks if able to perform 10 consecutive straight leg raises without extensor lag Patellar-stabilizing brace during exercise | Full  | Advance weight bearing and gait. Progress flexibility, begin light closed chain quad work.Begin floor-based core and glutes work, balance exercises and low resistance stationary bikeBegin closed chain quads, progress balance, core/pelvic and stability work once full weight bearing has been achievedBegin elliptical, in-line jogging at 12 weeks under PT supervision |
| **PHASE IV**4-6 months | Full | None during ADLs or straight line runningPatellar-stabilizing brace during sport-specific drills until cleared by MD | Full | Progress flexibility/strengthening, progression of function: forward/backward running, cutting, grapevine, initiate plyometric program and sport- specific drills @ 16 wksReturn to play is individualized and should be discussed with MD |

\*\*Brace may be removed for sleeping after 6 weeks