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MPFL ALLOGRAFT RECONSTRUCTION REHABILITATION PROTOCOL

	WEIGHT BEARING	BRACE	ROM	EXERCISES
PHASE I 0-2 weeks	As tolerated with brace	On at all times during day and while sleeping** Off for hygiene	0-90°	Heel slides, quad and hamstring sets, patellar mobs, gastroc stretch, SLR in brace, modalities
PHASE II 2-6 weeks	As tolerated with brace	Discontinue at 6 weeks if able to obtain full extension w/o lag*	Maintain full extension and progress flexion	Progress weight bearing flexibility, begin toe raises and closed chain quad work Begin floor-based core and glutes work, balance exercises, hamstring curls and stationary bike
PHASE III 6 weeks - 4 months	Full	None	Full	Advance closed chain quads, progress balance, core/pelvic and stability work Begin elliptical, in-line jogging at 12 weeks under PT supervision
PHASE IV 4-6 months	Full	None	Full	Progress flexibility/strengthening, progression of function: forward/backward running, cutting, grapevine, initiate plyometric program and sport-specific drills @ 16 wks Return to play as tolerated after 16 weeks post-op when cleared by MD

*Brace may be changed to patellar-stabilizing brace (Hely-Weber, Shields, or equivalent) after first post-operative visit

**Brace may be removed for sleeping after first post-operative visit (day 7-10)

- Continue previous therapy
- Wean off crutches (2 → 1 → 0)
- Progressive hip RO
- Progress strengthening LE
- Hip isometrics for abduction and progress to isotonic
- Leg press (bilateral LE)
- Isokinetics: knee flexion/extension
- Progress core strengthening
- Begin proprioception/balance
- Balance board and single leg stance
- Bilateral cable column rotations
- Elliptical

Weeks 10-12

- Continue with previous therapy
- Progressive hip ROM
- Progressive LE and core strengthening
- Hip PREEs and hip machine
- Unilateral Leg press
- Unilateral cable column rotations
- Hip Hiking
- Step downs
- Hip flexor, glute/piriformis, and It-band Stretching – manual and self
- Progress balance and proprioception
 - Bilateral → Unilateral → foam → dynadisc
 - Treadmill side stepping from level surface holding on progressing to inclines
 - Side stepping with theraband
- Hip hiking on stairmaster (week 12)

>12 weeks

- Progressive hip ROM and stretching
- Progressive LE and core strengthening
- Endurance activities around the hip
- Dynamic balance activities
- Treadmill running program
- Sport specific agility drills and plyometrics

Other:

- Modalities
 - Electric Stimulation Ultrasound Heat before/after Ice before/after