

POST-OPERATIVE REHABILITATION: HIP ARTHROSCOPIC MICROFRACTURE

Therapy Plan: Twice per week for 0-3 months, once per week for 3-6 months

ROM Progression

Passive Hip Motion for 0-2 weeks after surgery restricted to pain-free range within the following restrictions:

- Flexion: 0-90 degrees
- External Rotation: 0-30 degrees
- Internal Rotation: 0-30 degrees
- Abduction: 30 degrees
- Adduction: 15 degrees

Progress ROM as tolerated after 2 weeks with the goal of symmetric full motion at 6-8 weeks.

Weight Bearing Progression

Initial weight bearing 0-6 weeks after surgery should be 25% body weight with the foot flat on the ground.

- Progress weight bearing over weeks 6-8 with the goal of removing crutches at 8 weeks
- Do NOT progress to one crutch - gait must be pain free and non-compensatory to remove both crutches
- Brace should remain in place until strength is sufficient for gait stability

Initial Post-Operative Physical Therapy Visit

- Correctly perform 25% body weight bearing with the foot flat on the ground with crutches
- Instruct on upright (NO recumbent) stationary bike with NO resistance, pedal ONLY with opposite leg
- Isometric exercises for core, glutes, quadriceps, hamstrings

Phase 1 Physical Therapy (0-6 weeks): protect the joint and avoid irritation

- NO open-chain exercises
- Manual therapy 20+ minutes per session, stationary bike 20-60 minutes/day (NO resistance)
- Soft tissue mobilization, isometric exercises, core strengthening

Phase 2 Physical Therapy (6-10 weeks): non-compensatory gait and progression

- Tactile and verbal cueing to enable non-compensatory gait patterning at 6 weeks
- Progress gentle stretching for flexion-extension, adduction-abduction, and rotation
- Soft tissue and joint mobilization, isometric exercises, core strengthening
- Elliptical may begin at 8 weeks
- Closed-chain strengthening and planks starting at 6 weeks advancing as tolerated

Phase 3 Physical Therapy (10-16 weeks): return to pre-injury level

- Focus on functional exercises in all planes, advance only when fully controlled
- Soft tissue and joint mobilization, closed-chain exercises, core strengthening
- Strengthening: lunges, resisted side steps, planks
- Slide board and hip rotation movements may begin at 10-12 weeks

Phase 4 Physical Therapy (16-32 weeks): return to sport

- Full return may take a full 6-12 months or more and requires functional assessment prior to return
- Soft tissue and joint mobilization, closed-chain exercises, core strengthening
- Agility drills and pool (or Alter G) running may begin at 16 weeks
- Straight running and cutting may begin at 20 weeks
- Plyometric and sport-specific drills may begin at 24 weeks