

Post-operative Rehabilitation Protocol Meniscal Root Repair

Guidelines

- Brace 0-90° for 6 weeks post op
- 25% weight bearing for 6 weeks post op
- Use of crutches for 6 weeks post op
- Pain/edema reduction
- Enhance quad recruitment

PHASE 1: 0-2 weeks post op

- Pain/edema control
- Quad recruitment with Time Modulated AC (aka Russian Stim)
- Quad Sets/Hamstring co-contractions at multiple angles 10x10, 2-3 times daily
- SLR in brace at 0° until quad can maintain knee locked
- Heel slides in brace
- Patella mobilizations if necessary
- Obtain full extension if lacking

PHASE 2: 2 – 6 weeks post op

- Continue as above
- Aquatic therapy-after post op visit with doctor, perform functional ROM in waist deep water or deeper, forward and retro-walking, marching, lateral stepping
- Stationary bicycle with seat high, lower to normal seat height as tolerated
- Leg press with 25% BW max
- Leg extensions within ROM restrictions, use high volume and light weight
- Leg curls within ROM restrictions, use high volume and light weight

PHASE 3: 6 – 8 weeks post op

- Full WB
- No pivoting, twisting, hopping, jumping, running
- Encourage full ROM as tolerated
- Normalize gait mechanics
- Progress PREs open/closed chain as tolerated
- Isokinetic exercises 180, 150, 120, 90, 60°/sec, 8-10 reps up and down each speed
- Treadmill forward and retro-walking
- Cable column exercises
- Single leg stands for proprioception

- Cardiovascular equipment of choice
- Slide board-start with short distance and increase as tolerated
- Be aware of PTF signs and symptoms and manage accordingly

PHASE 4: 8 – 10 weeks post op

- Continue as above
- Full ROM
- All exercised on affected leg only
- Increase PREs for strength, high intensity low volume
- Single leg squats

PHASE 5: 10 – 12 weeks post op

- Continue as above
- Plyometrics-with both feet, move to single leg ASAP
- Assess light jogging on treadmill

Phase 6: 12 – 16 weeks post op

- Continue as tolerated
- Sport specific drills
- Plyometrics for speed and power
- Work quad to within 15% or less difference

5 months post op: Full return to sport involving pivoting, squatting, twisting, running