

www.seattleshoulderkneemd.com

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DeNovo Knee Rehabilitation

Phase I: Early postoperative Phase (0 – 6 weeks)

Goals

Slowly improve passive knee range of motion

Brace/Modalities

Brace locked in full extension for the first 2 weeks

СРМ

- 6 hours / day; begin $0 - 40^{\circ}$ and progress $5 - 10^{\circ}$ per day as tolerated

Weight Bearing

Non-weight bearing (careful toe touch acceptable)

Exercises

- **0-2 weeks:** Quad sets, SLR, calf pumps, passive leg hangs to 90°
- 3 6 weeks: PROM/AAROM to tolerance, patella and tibiofibular joint mobs, quad, hamstring, and glute sets, SLR, side-lying hip and core exercises

Phase II: Intermediate (weeks 6-8 weeks)

Goals

- Restore full ROM
- Regain full weight-bearing

Weight Bearing

Full

Exercises

Progress Phase I exercises

Phase III: Progressive Phase (weeks 9-12)

Goals

- Enhance proprioception/balance
- Improve muscular endurance
- Add core strengthening

Exercises

- Begin closed chain activities: wall sits, shuttle, mini-squats, toe raises, begin unilateral stance activities, balance training, ankle pumps, straight leg raises, hip strengthening
- Stationary bike with gradual increase in resistance

Phase IV: Functional Phase (weeks 13-24)

Goals

- Normalize strength
- Enhance power and endurance
- Improve neuromuscular control

Exercises

- Gentle, progressive resistive exercises as tolerated for knee, hip, and ankle
- Elliptical / bike as tolerated

Phase V: Return to participation (6 – 12 months)

Criteria:

- Minimal pain
- No swelling
- Full range of motion
- Quad / hamstring strength greater than or equal to 85% of normal side
- Clearance by Dr. Angelo