

Microfracture – Trochlear Groove/Patella Post-Operative Protocol

Phase I – Maximum Protection (0 to 1 week):

- (9) Ice and modalities to reduce pain and inflammation
- In the second second
- ③ Use crutches (approx. 2 weeks); wean off as gait normalizes and inflammation subsides
- S Elevate the knee above the heart for the first 3 to 5 days
- Initiate patella mobility drills
- CPM x 6 weeks
- Segin full passive/active knee range of motion exercises
- ③ Quadriceps setting focusing on VMO restoration
- S Multi-plane open kinetic chain straight leg raising
- Sait training

Phase II – Progressive Stretching and Early Strengthening (Weeks 1 to 6):

- Maintain program as outlined in week 0 to 1
- S Continue with modalities to control inflammation
- Initiate global lower extremity stretching program
- Score strengthening program
- Segin stationary bike and pool exercise program (when incisions healed)
- Implement reintegration exercises emphasizing core stability
- Image: Market Strengthening

Phase III – Strengthening and Proprioceptive Phase (Weeks 6 to 12):

- S Continue with Phase II exercises as indicated
- Opening Brace As Follows:
- -0° to 45° for 3 days
- -0° to 60° for 3 days
- -0°to 90° for 3 days
- -Wean out of brace by week 8 9
- ③ Normalize Gait
- Advance core strengthening program
- S Advance time and intensity on cardiovascular bike program
- May begin treadmill or elliptical trainer no running
- Initiate closed kinetic chain exercises progressing from bilateral to unilateral

Phase IV – Advanced Strengthening (Weeks 12 to 20):

- ③ Gym-strengthening program avoiding PF provocative exercise (lunges, leg extensions...)
- Isking outside, walking and swimming