

Meniscus Transplantation Physical Therapy Protocol

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Patient Nam	ne: Date of Surgery:
Procedure:	Right / Left Knee, Medial / Lateral Meniscus Transplantation
General pre	cautions:
•	NWB for 4weeks
•	Transition to WBAT between 4-6.
•	All weight bearing is in extension for 6 weeks.
•	ROM is limited to 90° for 4 weeks when not weight bearing. Full ROM after.
•	Brace use for 8 weeks.
•	Avoid tibial rotation for 8 weeks.
Frequency:	2x per week forweeks
Phase I (0-6	weeks): Period of protection.
•	Weightbearing:
	 Non-Weight Bearing (NWB) with crutches, brace locked in extension.
•	Brace:
	 Locked in extension for ambulation and sleeping (removed for hygiene and ROM exercises).
•	ROM:
	o 0-4 weeks: 0-90° (NWB). Ensure full extension by 2 weeks.
	 4-6 weeks: Full NWB range of motion allowed.
•	Therapeutic exercises:
	o Patellar mobilizations: 5-10 minutes daily
	 Electric stimulation for quad control
	 Heel slides
	 SLRs supine
	 Isometrics for quads, hip abductors and adductors
	 Passive leg hangs to 90°
	 Ankle/hip strengthening

Phase II (6-12 weeks): Strengthening phase.

- Weight Bearing: As tolerated.
- **Brace:** Unlock week 6 and discontinue once able to perform 10 SLR without lag.
- **ROM:** Full active ROM
- Therapeutic Exercises:
 - o As above with progressive resistance
 - o Progress close chain activities
 - o Proprioception exercises
 - o Week 8:
 - Begin stationary bike without resistance
 - Lunges/leg press 0-90°
- **Restrictions:** No running, no impact activities.

Phase IV (12-20 weeks): Sport-specific activities.

- Weight Bearing: As tolerated.
- **ROM:** Full active ROM.
- Therapeutic Exercises:
 - o As above.
 - o Focus on single-leg strengthening and balance
 - o Eccentric exercises
 - o Begin jogging program 4 months post op.
 - Once able to jog 20-30 minutes (5-6 weeks into program) without discomfort or swelling, may progress to functional activities to include figure 8's, cutting and jumping.

Phase V (>20 weeks): Return to athletics.

- Weight Bearing: As tolerated.
- **ROM:** Full active ROM.
- Therapeutic Exercises:
 - o As above.
 - o Gradual return to athletic activity as tolerated
 - o Maintenance program for strength and endurance
- Criteria to return to sports (~ 6mo):
 - o Full pain free ROM
 - o Normal isokinetic evaluation and function tests
 - o Satisfactory performance of sport specific activities without effusion