

Osteochondral Allograft with Meniscal Transplantation

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Patient Name	Date

Procedure: Right LeftKnee Osteochondral Allograft with Meniscal Transplantation

□ Evaluate and Treat – no open chain or isokinetic exercises □ Provide patient with home exercise program

□ Phase I (0-6 wks): Period of protection.

- Non-weight bearing with brace and crutches. Hinged knee brace should be worn at all times except for PT and hygiene. Brace should be locked in extension for weeks 0-2, then gradually opened in 20 degree increments as quad control is gained. Not to exceed 90 degrees in first 4 weeks. No tibial rotation x 8 weeks.
 - **ROM:** Progress through passive, active and active-assisted ROM as tolerated
 - CPM6-8 hrs/day: start 0-40 degrees and advance 5-10 degrees per day to 90 degrees, as tolerated for first 4 weeks. Advance as tolerated after week 4.
 - Gentle passive ROM0-90 x 4 weeks; advance flexion as tolerated after week 4. Goal: 0-90 by week 4, 0-120 by week 6.
 - Home supine extension stretching with pillow under foot and weight on distal thigh; additional extension stretching using prone heel hangs with weight. Goal: full extension by week 2.
- Strengthening: quad sets/SLRs, co-contractions, isometric quad/hamstring strengthening in extension. Patellar mobs.

□ Phase II (6-12 wks): Transition phase.

- Weight bearing/brace:
 - Weeks 6-8: Transition to 25% weight bearing with crutches. Hinged knee brace is gradually weaned as quad control is regained (may be D/Ced once no extension lag on SLR).
 - Weeks 9-12:50% WB with crutches x 1 week, 75% WB with crutches x 1 week, 100% WB with crutches x 1 week, then 100% WB without crutches x 1 week.
- ROM: D/C CPM and progress to full active and passive ROM; goal: >130 degrees of flexion by week 8, full ROM by 8-10 weeks. Aggressive stretching at end-ranges if FROM not achieved by 10 weeks. No tibial rotation until after 8 weeks.
- **Strengthening:** Continue prior exercises with emphasis on scar/patellar mobs. May begin stationary bike. Light closed-chain strengthening can be started once 100% WB without pain (wall-sits, mini-squats, toe raises), but only for 0-90 degree arc.

□ Phase III (3-12 months): Incorporation phase.

- **ROM:** Continue active and active-assisted ROM with aggressive stretching at end-ranges.
- Strengthening: Advance closed-chain strengthening. Begin treadmill walking at a slow pace and progress to balance/ proprioception. Advance home regimen of non-impact cardiovascular fitness (biking, swimming).
- High-impact activities (jumping, contact sports) allowed only after 12 months if pain free.

Other:	
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- Modalities
- □ Heat before/after

☐ May participate i running week 6

□ May participate in aquatherapy after week three, begin aqua-

□ Electrical Stimulation □ Ultrasound

□ Ice before/after exercise

Freq	luency	
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weeks

By signing this referral, I certify that I have examined this patient and physical therapy is medically necessary. This patient _____would _____would not benefit from social services.

x/week x

Physician Signature	Date
Printed Name	