



Cartilage Repair Center

Tom Minas, MD, MS

901 45th Street, Kimmel Building
West Palm Beach, FL 33407

P: 561-844-5255

F: 561-844-5945

Gwen Watkins, Admin Ext 246

www.cartilagerepaircenter.org

www.paleyinstitute.org

Autologous Chondrocyte Transplantation

HTO/TTO + PF

Stage 3- Remodeling Phase (13+ weeks)

PRIMARY GOALS

DO NOT OVERLOAD GRAFT

INCREASE TIBIAL-FEMORAL AND PATELLA-FEMORAL MOBILITY

RESTORE QUADRICEPS CONTROL

BRACE	♦Hinged-knee brace discontinued once independent SLR achieved
GAIT	♦Weight-bearing as tolerated with crutch or cane as needed/pain allows
ROM	♦Progress towards full ROM equal to contralateral side
THEREX	♦Stationary bicycling with low resistance as tolerated ♦Treadmill forward/retro-walking encouraged ♦Nordic track and elliptical machine permitted after 6 months ♦Inline skating permitted after 9 months ♦Pool exercise – flutter/straight leg scissor kick and running in water permitted ♦Continue gentle closed-chain LE strengthening through functional range – terminal knee extension 0-40 degrees and 120-70 degrees extension from flexed position ♦Full active flexion with resistance permitted ♦Open-chain terminal extension with resistance <u>NOT</u> permitted
THERAPY	♦Multi-directional patella mobilization as needed ♦Continue cryotherapy and Ace wrap for edema control ♦E-stim for VMO/quadriceps muscle re-education/biofeedback as needed ♦STM to scar, hamstring insertions, suprapatellar quadriceps, medial/lateral gutters, and infrapatellar regions
COMMENTS	♦Physical assessment by MD required before full activities resume at approximately 1 year after surgery ♦Activity level should be modified if increased pain, catching, or swelling occurs

For Outpatient Physical Therapist:

2-3x week / 6 weeks



ORTHOPEDIC & SPINE INSTITUTE

at St. Mary's Medical Center