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ACL PATELLAR TENDON ALLOGRAFT RECONSTRUCTION REHABILITATION PROTOCOL

	WEIGHT BEARING	BRACE	ROM	EXERCISES
PHASE I 0-4 weeks	As tolerated with crutches*	0-1 week: Locked in full extension for ambulation and sleeping 1-4 weeks: Unlocked for ambulation, remove for sleeping**	As tolerated	Heel slides, quad/hamstring sets, patellar mobs, gastroc/soleus stretch SLR w/ brace in full extension until quad strength prevents extension lag Side lying hip/core
PHASE II 4-12 weeks	Full, progressing to normal gait pattern	Discontinue at day 28 if patient has no extension lag	Main full extension and progressive flexion	Progress to weight bearing gastroc/soleus stretch Begin toe raises, closed chain extension, balance exercises, hamstring curls, stationary bike, step-ups, front and side planks
PHASE III 12-16 weeks	Full, without use of crutches and with a normalized gait pattern	None	Gain full and pain-free	Advance closed chain strengthening Progress proprioception activities Begin stairmaster, elliptical and running straight ahead at 12 weeks, hip/core, pool
PHASE IV 16-24 weeks	Full	None	Full and pain-free	16 wks: Begin jumping 20 wks: Advance running to sprinting, backward running, cutting/pivoting/changing direction; initiate plyometric program and sport-specific drills 22 wks: Advance as tolerated FSA completed at 22 wks***
PHASE V > 6 months	Full	None	Full and pain-free	Gradual return to sports participation after completion of FSA Maintenance program based on FSA

*Modified with concomitantly performed meniscus repair/transplantation or articular cartilage procedure

**Brace may be removed for sleeping after first post-operative visit (day 7-10)

***Completion of FSA (Functional Sports Assessment) not mandatory, but recommended at approx 22 wks post-op for competitive athletes returning to play after rehab