

NewportCare Medical Group

Lucas Wymore MD

Sports Medicine

Office Phone: 949-491-9991

40700 California Oaks Drive, Suite 205

Murrieta, CA 92592

Fax: 949-612-9795



ACL HAMSTRING AUTOGRAFT RECONSTRUCTION REHABILITATION PROTOCOL

	WEIGHT BEARING	BRACE	ROM	THERAPEUTIC EXERCISE
PHASE I 0 - 4 weeks	<p>0-2 week: toe touch weight bearing with crutches</p> <p>2-4 weeks: advance to full weight bearing</p>	<p>0-2 week: locked in full extension for ambulation and sleeping</p> <p>2-4 weeks: unlocked for ambulation, remove for sleeping**</p>	As tolerated	Heel slides, quad sets, patellar mobs gastroc/soleus stretch***, SLR with brace in full extension until quad strength prevents extension lag****
PHASE II 4 - 6 weeks	Full	Discontinue use when patient has full extension and no extension lag	Maintain full extension and progressive flexion	Progress to weight bearing gastroc/soleus stretch and closed chain activities, begin hamstring stretching
PHASE III 6 weeks - 4 months	Full	None	Gain full and pain-free	Begin hamstring strengthening, advance closed chain strengthening, progress proprioception activities, begin Stairmaster/Nordic Trac, begin running at 16 weeks with good functional testing, Delay until adequate strength and control
PHASE IV 4 - 6 months	Full	None	Full and pain-free	Progress flexibility/strengthening, progression of function: advance running, progress as able to backward running, cutting, grapevine, etc., initiate plyometric program and sport-specific drills
PHASE V 6 months and beyond	Full	None	Full and pain-free	Gradual return to sports participation, maintenance program for strength and endurance At patient's discretion, a functional ACL brace can be used from 6 mo to 1 yr post-op Clear for sports when functional testing 90% of contralateral leg

**Avoid open chain quadriceps strengthening for first 4 months

***This exercise is to be completed in a non-weight bearing position

****NO hamstring stretching until 4 weeks post-operative