

Non-Operative Hamstring Rehabilitation Protocol

PHASE 1 (~0-4 weeks)

REHAB GOALS	1. Minimize swelling & pain
	2. Normalize gait
PRECAUTIONS	 Crutches as needed if painful weight bearing
	2. Compression wrap as needed
	3. Ice as needed for pain
RANGE OF	 No stretching
MOTION	
EXERCISES	
SUGGESTED	 As above
THERAPEUTIC	 UE strengthening as pain tolerates
	 Contralateral LE strengthening as tolerated
EXERCISES	 Low/mod side stepping, low/mod grapevine stepping, low/mod
	steps forward & back over tape line while moving sideways
	 Single leg stance
	• Prone abdominal body bridge, supine extension bridge, side bridge
CARDIOVASCULAR	Stationary bike (low resistance, if pain tolerates)
EXERCISE	
PROGRESSION	 Knee to waist high march in place without pain
CRITERIA	 Normal gait without pain

PHASE 2 (~5-8 weeks)

REHAB GOALS	 Progress strengthening, balance Minimize pain and swelling
PRECAUTIONS	1. Ice as needed after activity

RANGE OF MOTION EXERCISES	 LE stretching except hamstrings as tolerated Soft tissue mobilizations as needed
SUGGESTED THERAPEUTIC EXERCISES	 Continue phase 1 exercises Mod/high intensity side stepping, mod/high grapevine stepping, mod/high steps forward & back over tape line while moving sideways, single leg stand windmill touches, pushup stabilization with trunk rotation, fast feet in place, high/low and low/high wood chops with theraband Balance board Sub max eccentric strengthening near mid length of hamstring
CARDIOVASCULAR EXERCISE	Continue phase 1 Walk/jog progression
PROGRESSION CRITERIA	 Able to jog without pain 5/5 strength prone knee flexion at 30 deg without pain

PHASE 3 (~9+ weeks)

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REHAB GOALS	 Progress strengthening & LE drills
	 Minimize pain, inflammation
PRECAUTIONS	
RANGE OF	 Continue exercises from phase 2.
MOTION	 Dynamic hamstring stretches as needed
	 Mobilizations/soft tissue technique as needed
EXERCISES	
SUGGESTED	 Continue exercises from phase 2
THERAPEUTIC	 Agility- side shuffle, carioca, boxer shuffle, A and B skips,
	forward & backward running
EXERCISES	 Dynamic core stabilization
	 Work toward max eccentric strengthening near end length of
	hamstring
	 Balance progress to single leg
	 Repetitive hopping, alternating leg windmill touches with
	dumbbell reach, alternating short arc bridge curl on physio ball
	 LE Olympic lifts
	 Plyometrics- focus on single leg activities to prevent
	overcompensation
	 Sport specific- ok to start drills if no symptoms with exercises
	from this phase
CARDIOVASCULAR	Continue phase 2, progress to baseline, add change of direction

EXERCISE	running
PROGRESSION	 Full pain free active & passive ROM
CRITERIA- RETURN	 No pain/swelling/apprehension Strength 95% of contralateral
TO SPORT	 Normal single leg balance
	 Pass sport specific program
	 Physician clearance