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Chippewa Valley Orthopedics & Sports Medicine

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ACL REHAB PROTOCOL	Patient
	DOS

	WEEK 1 Begins DOS	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	MONTH 3 Decrease
WEIGHT BEARING	0%	5%	5%	25%- 50%	50%-75%	75%-100%	100% D/C crutches		frequency as tolerated. Continue with
BRACE SETTINGS	0/0	0/0	0/30	0/60	0/90	0/120	0/120	D/C brace	all exercises for strength, endurance, and proprioception. MONTH 4-5
PROM Goals	0-90	0-90	0-100	0-120	0-140	FULL	FULL	FULL	
AROM Goals Via Heelslide	NONE	0-40	0-75	0-90	0-120	0-140	FULL	FULL	Functional Brace as per MD for work
PT visits/wk	NONE	2-3	2-3	2-3	2-3	2-3	2-3	2-3	and high level
SHOWER	NO	WITH BRACE	W/O BRACE			Sleep w/o brace	per MD		functional
	Quad Sets	Quad Sets	Quad Sets	Knee extension OKC 90-40° initiate AA or AROM single leg					activities. 70%
Avoid	SLR's w/brace	SLR's w/brace	SLR's no brace						quad Strength and no pain.
Deep Squats	NOTE:	Patellar Mobs							Begin
and		Multi-hip Isotoni							progressive running program. Progress agility
Kneeling for	*PT visits/wk ma		Ham Curls	Ham Curls					
4-5 months.	*Individual ex pr	ogression may	ACT or A/Assist	A/Assist isotonic/2 legs Kinetic Chain Exercises TKE with over-ball press, tubing, mini-squats (0-30)					
No	vary Closed Kinetic Cha Hamstring Stretch			Heel Raises					as tolerated. Initiate jumping program with
squatting				Total Gym partial squats per WB & ROM guidelines					
deeper than	*Fast and slow healers will need			Contact Dr. Berg if knee is stiff, may start riding bike early. Bike					
90° after	modifications	. Please refer to	MD. Refrain	BAPS					brace.
meniscus		pushing for RC		Leg press (double legprogress to single leg)					Month 6
repair.	nom recease passing records			Treadmill Walking				og to single leg	Brace for activity. Quad
	Dynamic Balance Exercises Double leg to single leg Any Overtions? Please contact: Resisted Advance						Advance	and Ham	
	Any Questions: Please Contact. Ambulation Open/clo						Open/closed	strength should	
	NORTHWOODS THERAPY ASSOCIATES Chain activity							be 90 %.	
	Eau Claire, WI Chippewa Falls, WI Swimming							Pass functional tests. Full	
	715-839-926	56 715-	723-5060				Elliptical	Light agility at walking speed.	jumping, plyometric
	Novermber 2010								program.

Dr. Berg's and Dr. Carlson's protocol is based on a criterion-based rehab philosophy developed with Lonnie Paulos, M.D. The numbers and information on the opposite side are a guideline, but at times will be modified based on patient characteristics. In general, the goals and time frame of Phase I must be completed before progressing to Phase II, etc.

The rehab paradox is that a "slow healer" will make rapid progress and regain motion with little effort. Conversely a "fast healer" will form abundant scar tissue and will make slow progress. This occurs because a "slow healer" does not form an appropriate amount of healing/scar tissue and therefore needs to have their rehab slowed down. Conversely, a "fast healer" forms abundant scar tissue and needs to have the rehab accelerated. They may also need NSAID's or Medrol. The intent of the protocol is to reproducibly tailor the rehab process to each individual, and to identify, and appropriately treat abnormal healers, whether slow or fast.

Phase I (Week 0-8)

Exercises listed on opposite side Patellar mobs Modalities as needed **Criteria to advance to Phase II** Knee flexion to 110 degrees SLR with no extension lag

Full passive extension
Minimal swelling and pain
Improving patellar mobility

Phase II (Week 8-16)

Off crutches Increasing flexion as fast as tolerated Move to PRE's Phase into independent HEP and check every 1-2 weeks

Criteria to advance to Phase III

Near normal ROM No swelling No pain with extension

Phase III

As months 4-6 come up, this will be highly variable to what they need to return to work, school or recreation. It is a transition on an as tolerated basis. Open chain activities, along with plyometrics, progressive running, full weight lifting and advanced balance exercises should be initiated and implemented to their HEP.

Criteria for return to sport/work/recreation

Quad and Hamstrings at 90%

Passing of functional testing (PT use one you are familiar with)

Functional Bracing if needed