## KNEEbraska Matthew R. Byington, DO

Orthopaedic Surgeon—Board Certified

Sports Medicine & Arthroscopic Surgery // Knee & Shoulder Reconstruction
Prairie Orthopaedic & Plastic Surgery 4130 Pioneer Woods Dr, Suite 1, Lincoln, NE 68506

Phone: (402) 489-4700 Fax: (402) 489-5220

www.KNEEbraska.com // www.drmattbyington.com // www.prairie-ortho.com

## MACI / BIOCARTILAGE / MICROFRACTURE TO PATELLA/TROCHLEA REHABILITATION PROTOCOL

	WEIGHT	BRACE	ROM	EXERCISES
	BEARING			
PHASE I	FWB with brace	<b>0-2 weeks:</b> locked	0-2 weeks: PROM	<b>0-2 weeks:</b> quad sets, SLR, ankle
0-8 weeks		in full extension at	0-45 (gentle)	pumps, passive leg hangs over edge
		all times*		of bed/chair to 45 degrees at home
			2+ weeks:	
			Advance as	<b>2-6 weeks:</b> PROM/AAROM as
		2-4 weeks:	tolerated	tolerated, patella & tibiofibular
		unlocked 0-45 and		joint mobilizations,
		worn during day	G 1(1)	quad/glute/hamstring sets, SLR,
		only	Goals(degrees):	sidelying hip and core
		4.6	0-2 weeks: 0-30 2-4 weeks:0-60	<b>6-8 weeks:</b> add heel raises, CKC,
		4-6 weeks: unlocked 0-90 and	4-6 weeks: 0-90	normalize gait, eccentric quads &
		worn during day	4-0 WEEKS. 0-90	hamstrings; advance
		only		core/hip/pelvic stability.
		Only		core/mp/pervic stability.
		D/C at 7-8 weeks		
		Dy C ut Y C Weeks		
PHASE II	FWB	NA	Full	Progress CKC and gait training.
8-12 weeks				Begin SLS work, balance,
				hamstrings/core/hip/glutes.
				Stationary bike: begin at 10 weeks
				w/ low resistance.
PHASE III	FWB	NA	Full	Advance Phase II: max core/glute
12-24 weeks				activation, pelvic/hip stability,
				eccentric hamstrings, balance.
				Swimming after 12 weeks.
				Elliptical as tolerated after 16
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PHASE IV	FWB	NA	Full	Advance activity w/o impact
6-12 months				Return to sport-specific activity
				and impact when cleared by surgeon (after 6-8 months)
				surgeon (after 0-8 months)

\*Brace may be removed at night after first post-op visit (day 7-14) if directed by surgeon Note: Microfracture pts can return to sport as tolerated after 16 weeks