Supplementary Table 2: MeTeOR Physical Therapy Intervention Protocol					
Phase I-Acute Phase (1-10 days post-op)					
Goals: Decrease inflammation, Restore A/PROM, Neuromuscular re-education of quadriceps					
Perform at least 8 exercises, 12-15 repetitions, 1-2 sets of the following types of exercises:					
Decrease Inflammation:	Manual Therapy:	Open Chain Exerc	ises:	Closed Chain Exercises:	
Retrograde Massage,	Joint Mobilization	Quad Sets		Bicycle, Elliptical,	
Cryotherapy	Soft Tissue Mobilization	SAQ/LAQ/HS C	urls	Treadmill, Leg Press,	
E-Stim: NMES or IFC	Stretching LE Muscles	Hip-4 way		Balance/Proprioception	
Progression Criteria to Phase II					
Patient must meet 3 of the 4 criteria:					
Knee A/PROM 0>=115 degrees, Moderate to minimal effusion, Knee Pain<= 4/10, Muscle Strength >= 3/5					
Phase II-Subacute Phase (10 days-4 weeks post-op)					
Goals: Restore muscle strength and endurance, re-establish full and pain free AROM, gradual return to functional					
activities, minimize gait deviations					
Perform at least 8 exercises, 12-15 repetitions, 1-2 sets of the following types of exercises:					
Decrease Inflammation:	Manual Therapy:	Open Chain Exercises:		Closed Chain Exercises:	
Retrograde Massage	Joint Mobilization	Add more		Resisted terminal knee	
Cryotherapy	Soft Tissue Mobilization	Concentric/Eccentric		extension, modified mini	
E-Stim: NMES or IFC	Stretching LE Muscles	Hip/Knee progressive		squats, step up/down	
		resistive exercises, ROM		progressions, toe raises,	
				functional and agility	
				training	
Progression Criteria to Phase III					
Patient must meet 4 of the 5 criteria: Knee A/PROM 0>=125 degrees, Normal Joint Play, Minimal effusion, Knee					
Pain<= 2/10, Muscle Strength >= 5/5					
Phase III-Advanced Activity Phase (4-7 weeks post-op)					
Goals: Enhance Muscle Strength and Endurance, Maintain full ROM, Return to sports/functional activities					
Perform at least 8 exercises, 12-15 repetitions, 1-2 sets of the following types of exercises:					
Continued stretching program		Continued PRE therapeutic		Emphasis on closed chain program	
	exercises program	exercises program		with progression to dynamic single leg	
				stance, plyometrics, running, and sport	
A /DD ON 6. A stine /Denning and of motion			specificity training		

A/PROM: Active/Passive range of motion NMES: Neuromuscular electrical stimulation

IFC: Interferential current

SAQ/LAQ/HS: Short are quadriceps/ Long are quadriceps/Hamstrings E-Stim: Electrical stimulation

LE: Lower extremity