The goals of this rehab protocol are as follows:

- Control and reduce joint pain and swelling.
- Return knee to normal range of motion.
- Return patient to normal gait pattern.
- Return patient to normal lower extremity muscular strength and endurance.
- Return patient to normal level of proprioception, balance, and coordination.
- Return patient to normal level of function.

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# Patient Name: \_\_\_\_\_ Date of Surgery: \_\_\_\_\_

Weeks 0-2:	Weeks 2-4:
Dates:	Dates:
<ul> <li><u>GOALS</u></li> <li>Achieve 0-90° ROM</li> <li>Control pain, inflammation, and effusion</li> <li>Adequate quadriceps contraction</li> </ul>	<ul> <li><u>GOALS</u></li> <li>ROM to 120° of flexion and 0° of extension</li> <li>Diminish pain, swelling, and effusion</li> <li>Improve quad control to allow improved gait</li> </ul>
EXERCISES ROM: • Heel slides • Knee wall slides • Gastroc / Soleus stretches • Patellar mobs • Ankle Pumps Strength: • Quad sets • SLR (flexion, abduction, adduction) • Ankle pumps with t-band • Weight shifts • Standing heel raises • Total gym squats / heel raises • TKE	EXERCISES ROM: Passive ROM to tolerance Heel slides/wall slides Patellar mobs Ankle pumps Gastroc / Soleus stretching Hamstring stretching Prone knee hangs Heel and wall slides Bike (light resistance) Strength: SLR (Flex, ADD, ABD) Wall squats Heel / toe raises
<ul> <li>Gait training with cones</li> <li>Modalities:</li> <li>E-stim (IFC) and/or muscle re-ed</li> <li>Ice 15-20 minutes</li> <li>Intermittent pneumatic compression as needed for swelling</li> </ul>	<ul> <li>Leg Press squats</li> <li>Mini squats / wall squats with GB</li> <li>Prone HS curls</li> <li>Balance: <ul> <li>Weight shifts (side to side, fwd-back)</li> <li>Single leg balance on floor</li> <li>Single leg balance with plyo-back</li> </ul> </li> <li>Modalities: <ul> <li>E-stim/biofeedback as needed</li> <li>Ice 15-20 minutes</li> </ul> </li> </ul>

Patient Name: ID #	
Date of Surgery:	
Weeks 4-6:	Weeks 6-9:
Dates:	Dates:
Dates: <u>GOALS</u> ROM 0-130° Minimize pain, swelling, and effusion Increase lower body strength and endurance Progress with balance and proprioception <u>EXERCISES</u> ROM: Gastroc / Soleus / Hamstring stretch Heel and wall slides Bike (increased resistance) Strength: Continue SLR with ankle weights Heel raises Chair scoots Hamstring curls with resistance progressing to seated curls Multi hip machine in four planes Leg press squats (single leg) Stairmaster / retro treadmill Lateral / forward step ups Lateral step downs Lunges- forward Balance: Single leg stance (eyes closed) Single leg balance on foam Airex OLB on Feldenkraise ½ roll 2 legged balancing on wobble board Modalities: Ice 15-20 minutes	Dates:         GOALS         • FWB / normal gait         • Restore full knee ROM (0-135°)         • Increase strength and endurance         • Enhance proprioception, balance, and neuromuscular control         EXERCISES         ROM:         • Passive stretching 0-135°         • Gastroc / Soleus / Hamstring stretch         Strength:         • Continue exercises from week four         • Smith Machine squats         • Leg press-single leg         • HS curls single leg         • Diagonal lunges         Cardio:         • Bike for endurance         • Stairmaster         Agility:         • At week 8—Initiate controlled movements – Control feet with platform(up and over step platform touching both feet on step then on other side of step and then back—start slow and increase speed per pt comfort)         • Control feet with cones (fwd pedal, backward pedal)         • Jump rope         Balance:         • One legged on balance board
Joint	<ul> <li>Single leg ball toss on rebounder</li> <li>Trampoline / foam work.</li> <li>Modalities:</li> <li>Ice 15-20 minutes</li> </ul>

Patient Name:	ID#	
Date of Surgery:		
Weeks 9-12:	Weeks 12-16:	
Dates: <u>GOALS</u> • Normal gait         • Increase strength and endurance         • Begin straight ahead jogging in brace at 12 <sup>th</sup> week         • Enhance proprioception, balance, and neuromuscular control <u>EXERCISES</u> ROM:         • Passive stretching 0-135°         • Gastroc / Soleus / Hamstring stretch         Strength:         • Continue progressing with resistance on previous exercises.         • Week 12 – Initiate jogging, progress to treadmill         • Progress with proprioception training         • Bicycle for endurance         • Standing BAPS         Modalities:         • Ice 15-20 minutes	Dates:         GOALS         • Restore full knee ROM (0-135°)         • Restore functional capability and confidence         • Enhance lower extremity strength and endurance         EXERCISES         Strength:         • Continue ex from week 11         • Bike for endurance         • Initiate plyometric training drills         • Single leg jump rope         • Dot drills         • Sports cord shuffle         • Platform hops         • Progress jogging program         • Initiate isokinetic training         Functional Program:         • Sport specific drills         • Lateral movements         • Figure of 8 drills         • Ladder drills         • Slide board         Modalities:         • Ice 15-20 minutes	
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Patient Name:	ID#
Date of Surgery:	
Weeks 16-20:	Weeks 20-36:
Dates:	Dates:
GOALS:  Progress skill training  Enhance neuromuscular control  Continue all stretching activities  Maintain muscular strength and endurance  Perform sport specific activity  EXERCISES Strength:  Continue all ex from week 15	<ul> <li><u>GOALS:</u> <ul> <li>Return to unrestricted sporting activity (per Dr. Breeze's orders)</li> <li>Achieve maximal strength and endurance</li> <li>Progress independent skill training</li> </ul> </li> <li><u>EXERCISES</u> <ul> <li>Strength:</li> <li>Continue advanced strengthening program</li> </ul> </li> </ul>
<ul> <li>Continue all ex from week 15</li> <li>Progress plyometric program</li> <li>Box jumps</li> <li>Increase jogging program</li> <li>Backward running</li> </ul>	<ul> <li>Progress running program</li> <li>Progress sport training program</li> <li>Progress neuromuscular program</li> <li>Modalities:</li> <li>Ice 15 20 minutes</li> </ul>
<ul> <li>Sport specific drills</li> <li>Lateral movements</li> <li>Figure of 8 drills</li> <li>Modalities:</li> <li>Ice 15-20 minutes</li> </ul>	
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