## Department of Orthopaedic Surgery Sports Medicine and Shoulder Service

Knee Tibiofemoral Microfracture Rehab Protocol Prescription

## TREATMENT STRATEGIES

Progress squat program < 90 degree flexion

Lunges

Start forward running (treadmill) program at 4 months postop if 8-inch step down satisfactory

Continue LEstrengthening and flexibility programs

Agility program/sport specific (sports cord)

Start plyometric program when strength base is sufficient

Isotonic knee flexion/extension (pain and crepitus-free arc)

Isokinetic training (fast to moderate to slow velocities)

Functional testing (hop test)

Isokinetic testing

HEP

## CRITERIA FOR DISCHARGE

Symptom-free running and sport-specific agility

Hop test >85% limb symmetry

Isokinetic test >85% limb symmetry

Lack of apprehension with sport specific movements

Hexibility to acceptable levels of sport performance

Independence with gym program for maintenance and progression of therapeutic exercise program at discharge

Functional testing at 5 months, then monthly until passing