PATELLAR TENDON REALIGNMENT/DISTAL TUBERCLESHIFT REHAB PROTOCOL

01/01/2009 **Post-op**

ROM Hamstring Strengthening Quadriceps Strengthening Gait Activities Modalities Stretching	0-90 degrees, brace adjusted Isometric heel digs Isometric Quad sets, no active extension WBAT with crutches and ROM braces Elevate knee, above heart, ice and perform ankle pumps, ½ hr. QID Interferential with ice for welling if needed Seated hamstring and gastroc stretch/seated and supported knee flexion
<u>2 Weeks</u>	
ROM Hamstring Strengthening Quadriceps Strengthening Gait	0 to 110 degrees, brace adjusted Short arc ham curls 0-30 degrees, no weights Bent knee leg raises with brace. Cont Ios's FWB and no crutch if stable, min. brace. PWB and 1 crutch if mod. c/o of discomfort and instability, cont brace. PWB and 2 crutches if significant c/o's cont brace Stationary bike- depending on ROM cont elevation PRN
Modalities Stretching	EMS to quad to stimulates VMO if appropriate Con't same, add prone stretch for quad when 110 degrees reached
<u>1 Month</u>	
ROM Hamstring Strengthening Quadriceps Strengthening	0-130 degrees SAH increases wt to 5% BW open chain activities: SLR with brace and 90 to 45 Degrees knee extension no wt. Closed chain activities: wall press against resistance, 0-30 degrees. Lateral step-ups, Wall squats at 50% WB 0-30 degrees
Gait	Full weight bearing, no crutches and no brace if no

otherwise

Limping and stable. Crutch and brace PRN

Cont EMS if needed and ice

Stationary bike for 20 mins. With minimal tension

Activities Modalities

Stretching

2 Months

ROM Hamstring Strengthening Quadriceps Strengthening

Gait Activities Modalities Stretching

3 Months

ROM Hamstring Strengthening Quadriceps Strengthening

Gait Activities

4 Months

ROM Hamstring Strengthening Quadriceps Strengthening

Gait Activities Stretching Same for hamstring, with prone for quad and begin standing gastroc an soleus stretches

full ROM

Increase wt up to 10% BW Open chain: FAQ 90-45 degrees with wt., 5% of BW. SLR work up to 5% of BW SAQ with no wt. If no patella pain sx's. Closed chain: same as above, wall squats 0-45 degrees. Add leg press, Bilat 100% BW, single 50% BW, and 0-45 degrees. FWB without assist. FWB without assist Increase bike to 30 min mod Ice PRN Con't same as above

Full Con't same Con's same as above, increase FAQ to 100% if BW through, 90 to 45 degrees range. Leg press increase to 150% BW. Bilat and 75, single, 0-60 degree FWB without assist. Begin incremental walking, up to 1 mile QOD. Bike or stair master, 30 min, on off days

Full
Same
Open chain: same, with progression of FAQ
through 90-0 degrees range without wt. Then pre as
tolerated up to 10% BW if no patellar pain
Closed chain; same, with leg press increased to
200% BW bilat and 100% single 0-60 degrees, if no
patellar pain
FWB without assist
begin running program. Con't bike QOD
Con't program