Posterior Tibialis Reconstruction Protocol

Week One	Weeks Two To Four
Initial Evaluation	Evaluate
 Edema Assess RTW and sport expectations Immobilized in PF/INV for 8 weeks Gait (Typically NWB for 6-8 weeks) Inspect incision RTW and sport expectations 	 Continue NWB gait Edema Immobilized in PF/INV
Patient Education	Patient Education
 Support Physician prescribed meds Ice and elevation 90% of the time Discuss frequency and duration of treatment (2-3x/wk is expected for 8-10 weeks depending on how the patient presents) 	 Week 3: ice and elevation 60-70% of the time Return to driving week 3 or 4 if surgical ankle is the left
Therapeutic Exercise	Therapeutic Exercise
 Toe wiggles SLR 4 ways SAQ LE stretch: HS, quads, hip flexors, ITB 	May add Cardiovascular program for upper body (UBE)
Manual Techniques	Manual Techniques
 Retrograde soft tissue mobilization for edema reduction (After incision heals) 	Retrograde soft tissue mobilization for edema reduction
Modalities	Modalities
Modalities may be used as needed for edema and pain reduction	Modalities may be used as needed for edema and pain reduction
Goals	Goals
Control painReduce edema	 Control pain Reduce edema Minimize deconditioning

Weeks Four To Eight	Weeks Eight To Twelve
Evaluate	Evaluate
➤ Assess Gait➤ Active ROM	 Consider orthotic arch support Gait Active and Passive ROM Balance
Patient Education	Patient Education
 Progress to WBAT with crutches at week 6 Cam boot in neutral 	 Resume driving weeks 10-12 if surgical ankle is the right Progress to FWB Cam boot or Aircast D/C boot week 9 Speed brace week 10
Therapeutic Exercise	Therapeutic Exercise
 Ankle isometrics 4 ways Active DF week 4 AROM all motions Open chain hip/knee/core strengthening Continue cardiovascular program for upper body (UBE) Towel crunch and side to side 	 Stationary bicycle PROM and AROM all planes Continue AROM Begin Ankle strengthening (pocketbook, resistive band) when AROM full all planes Light theraband Gastroc and soleus stretch Closed chain vectors in brace or boot Seated BAPS Initiate closed chain strengthening (squats) Balance and proprioception
Manual Techniques	Manual Techniques
 Retrograde soft tissue mobilization for edema reduction 	> Scar massage
Modalities	Modalities
Modalities may be used as needed for edema and pain reduction	Modalities may be used as needed for edema and pain reduction
Goals	Goals
 Control pain Reduce edema Minimize atrophy D/C crutches when gait is normal 	 Normal gait Out of boot week 9 Full DF/PF ROM

Weeks Twelve To Discharge

Evaluate

- Assess and address altered biomechanics as needed
- Functional movement assessment or screen where appropriate
- Strength
- Address residual RTW and sport expectations

Patient Education

- No contact sports until 9 months post-op
- ➤ Shoe or sneaker starting week 14
- ➤ Continue speed brace

Therapeutic Exercise

- Treadmill walking progression
- Continue/progress LE strength, balance and proprioception as needed
- Single leg heel raises
- Plyometrics, agility and running progression at 24 weeks post

Manual Techniques

➤ Any as needed

Modalities

Any as needed

Goals

- Return to sport unrestricted
- Full ankle ROM
- Normal strength
- ➤ Walk 2 miles @ 15 min/mile pace
- Normal gait

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