

COMPREHENSIVE PHYSICAL THERAPY

Melinda Amato OTR/L, CHT
Brandon Heyda OTR/CHT

Raymond Ryan PT/Director
Valerie Peckingham PT
Isabella Mesturini PT, DPT

Peter Ives PTA
Kirsten Perillo PTA

Megan R. Wolf, MD

Sports Medicine/Foot & Ankle

Subtalar Dislocation Post-Operative Protocol

Weeks 4-8

Goals

- Protect healing tissues
- Weeks 4-6 FWB in pneumatic walking boot
- Weeks 6-8 Wean out of boot and into lace up ankle brace as needed
- Progress ankle strength, ROM and proprioceptive exercises
- Continue general strengthening of LE, UE and trunk as indicated

Treatment

(patient to wear support throughout program)

- Normal gait patterning/training
- Progress to full AROM, all directions
- Add LE closed chain exercises, single plane
- Evaluate LE biomechanics, flexibility and strength bilaterally - identify deficits and areas that would increase long-term stress to reconstruction
- Introduce proprioceptive exercises
 - Double leg Single leg
 - Even ground only, no BAPS, BOSU or Wobble board
- Light soft-tissue work
- Modalities to control/decrease inflammation/pain
- Cardiovascular training: exercise bike in the boot o Increase duration/intensity as tolerated

Postoperative Weeks 8-12

- Use lace up ankle brace as needed

Goals:

- Normalized gait
- Jogging/running introduced in brace between weeks 8-10 o Prerequisites: no walking pain, adequate strength, full ROM
- Plyometric exercises introduced in brace between Weeks 10-12
 - Single plane only
 - Prerequisites: pain free running with proper mechanics
- Full functional ROM of the ankle
- Patient demonstrates fair static and dynamic neuromuscular control

Treatment:

- Progress closed chain exercises
- Progress proprioceptive training o Static and dynamic balance progressing to varied surfaces as patient is able
- Progress intrinsic ankle strength with PNF diagonals
- Introduce functional, sport-specific exercises
- Cardiovascular training: Continue exercise bike/elliptical, add treadmill (consider AlterG® if available), stair-stepper.



Ryan S. Charette MD	Aaron S Covey MD MBA	Jon C Driscoll MD
Adam Q Ferguson DO	Rania R. Rifaey MD	Hudson H. Seidel MD
Jon Dale PA-C	Edward S. Gensicki DPM	Robert C. Stockton DO
Christa Beyer PA-C	Megan R. Wolf MD	

A Member Of
NEOS
 NEW ENGLAND
 Orthopaedic Services
 www.comcllc.com
 PH:203.265.3280
 FX:203.741.6569

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Subtalar Dislocation Post-Operative Protocol

Post-Operative Weeks 12-16

- Use lace up brace as needed

Goals:

- Patient to demonstrate full strength throughout full ROM
- Patient to demonstrate fully restored static and dynamic neuromuscular control and kinesthetic awareness
- Patient to return to all pre-injury exercise except for full return to sport
- Pass Functional testing if returning to sport for final clearance

Treatment:

- Increase intensity of exercise bike, elliptical, stair-stepper and treadmill
- Progress to plyometric program to include dynamic, multiplanar exercises
- Increase intensity and resistance in closed chain activities
- Sport-specific drills
- Multiplanar movements

Revised ***