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ACL + FCL Reconstrution

Post-Operative Therapy Protocol

0-2 weeks

- NWB for 6 weeks
- ROM: 0-90° with emphasis on full extension
- Patella mobilization
- SLR supine with brace locked at 0 degrees
- Quad Sets with brace locked at 0 degrees
- Ankle Pumps
- Short crank (90mm) ergometry

2-6 weeks

Flexion extension wall slides

6-12 weeks

- Begin spinning on a stationary bike
- Begin to wean off crutches
- Sit and reach for hamstrings
- Progressive Squat program
- Initiate Step-Down program
- Balance Series
- Double leg bridges
- Begin cord exercise

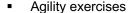
12-20 weeks

No gravity running



 Plyo Prep Screen prior to initiating running and/or jumping. Schedule via QR code or email spc@rushortho.com

Running progression



- Multidirectional motions
- Lower Body Assessment when initiating return to sport progression. Schedule via QR code email or spc@rushortho.com

Weight Bearing Status

NWB x 6 weeks

Brace Settings

Locked straight x 6 weeks when ambulating or sleeping. Otherwise open brace once good quad control

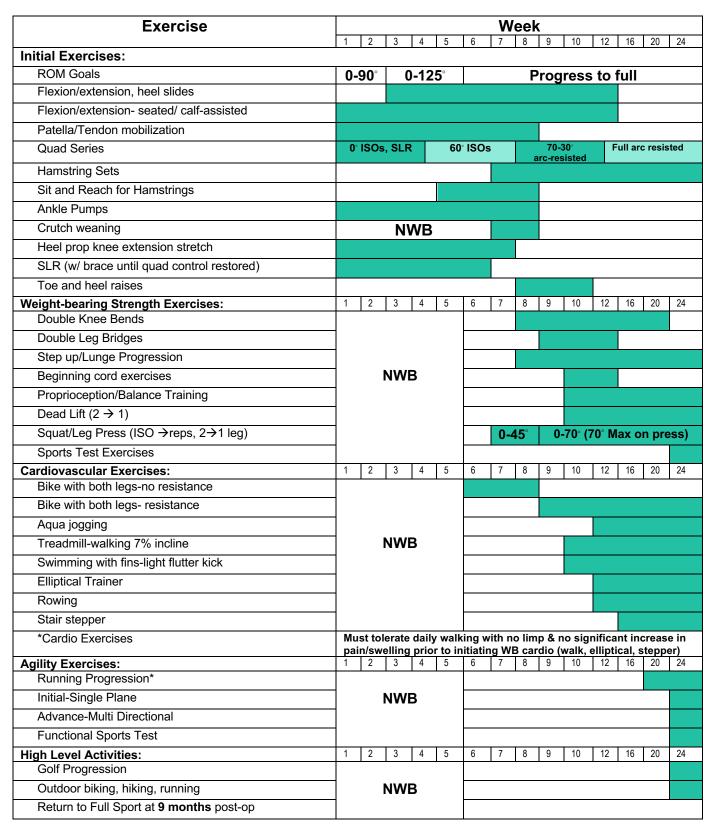
ROM Restrictions

Full PROM beginning POD 1

>24 weeks









Quad Series:

- •Quad sets (5 sec hold) also quick contractions (NMES to supplement)
- Prone quad sets
- •SLR with no extension leg
- Progression of Quad Strengthening (WB exercises at 6 weeks)
- •LAQ in safe range -no added resistance to begin
- •Once weight bearing tandem stance TKE with 5 sec hold
- •Isometric wall sit
- •SLR with resistance
- Step up progression
- Squat progression
- •Leg press progression
- Lunge progression

Hamstring Series:

- Hamstring stretching (supine/prone)
- •Hamstring set (heel dig)- contract hamstring with knee flexed pressing heel into the floor (5 sec hold)
- Hamstring curls
- Progress to resisted hamstring curl

Sport Test Exercises:

- •Goals: impact training and introduction of directional drills
- Double leg squat jumps
- Box jumps
- Speed skaters
- Double leg jumps for height and distance progress to single leg as tolerated
- •Blaze pod change of direction drills

Further Clarifications and Considerations

- •May begin to implement BFR as early as 1 week into post-op period
- •Functional Sports Test: Baseline completed at 7 months post-op with subsequent test at 9 months



Return to Running Criteria

- Trace effusion, flexion within 5 degrees of contralateral side
- LSI on anterior reach Y balance test ≥ 90%
- LSI on quadriceps torque output on isometric measurement ≥ 75%
- •12" SL squat tolerance
- Able to walk > 1 mile with no limping or pain
- Able to "hop" with UE assist on operative leg 5 times without pain or compensation
- •SL balance with eyes closed 30 seconds without loss of balance



Return to Agility/Change of Direction Criteria

- •Return to running criteria listed above met
- No effusion
- Full ROM
- •Quad LSI on isokinetic ≥85%
- Hamstring LSI on isokinetic ≥85%
- •LSI on anterior reach Y-balance ≥ 95%
- SL hopping pain-free and effusion free



Return to Sport Criteria

- •In order to test must demonstrate full AROM, no pain, no/trace effusion, 5/5 strength, negative lachman and pivot shift, LSI ≥95% hamstring curl and leg press
- •Quadricep strength ≥95% of contralateral side (< 2cm of atrophy)
- •Able to perform single leg squat with correct form
- •LSI SL hop ≥95%
- •Y-Balance ≥95% (mean of 3 trials in anterior, posterolateral, posteromedial /100)
- •Vertical jump test, single leg hop distance, and timed single leg hop over 20 -feet ≥90% of contralateral

