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LATERAL/POSTERIOR LATERAL CORNER KNEE RECONSTRUCTION POST-SURGICAL REHABILITATION PROTOCOL

POST-OP DAYS 1 - 14

- Dressing:
- POD 1: Debulk dressing, TED Hose in place
- POD 2: Change dressing, keep wound covered, continue TED Hose
- POD 7-10: Sutures out, D/C TED Hose when effusion resolved
- Brace Locked in extension
- Crutches Flat foot weight bearing (FFWB)
- Patellar mobilization (teach patient)
- AAROM, AROM 0-90 degrees
- Calf pumping
- Passive extension with heel on bolster or Prone hangs
- Electrical stimulation in full extension with quad sets and SLR
- Quad sets, Co-contractions quads / Hamstrings
- Straight leg raise (SLR) x 3 on mat, in brace (parallel bars if poor quad control)
- NO ABD
- Ice pack with knee in full extension after exercise

GOALS

- Pain / effusion control
- Good quad control

Weeks 2 - 4

- Brace locked in extension
- Crutches Partial weight bearing (PWB)
- Continue appropriate previous exercises
- Scar massage when incision healed
- AAROM, AROM 0-90 degrees
- Begin Total Gym for ROM Level 1-3
- Passive flexion to 90 degrees (push up with opposite leg)
- Straight leg raise (SLR) x 3 on mat, no brace (no resistance) NO ABD
- Double leg heel raises
- Stretches Hamstring, hip flexors

GOALS

- ROM 0-90
- No extensor lag

WEEKS 4 - 6

- Brace Open to available range
- Crutches Weight bearing as tolerated (WBAT) (D/C when gait is normal)
- Continue appropriate previous exercises

- AAROM, AROM 0-110 degrees
- Standing SLR x 4 with Theraband bilaterally (no brace)
- May begin Hip ABD with Theraband if good LE control in full extension
- Mini squats in parallel bars No knee flexion > 45 degrees
- Leg press with light resistance 0-45 degrees
- Hamstring curls 0-45 degrees Carpet drags or rolling stool (closed chain)
- Proprioceptive ex Single leg standing, double leg BAPS for weight shift
- Single leg heel raises
- Stationary bike for ROM No resistance
- Pool therapy Exercises in sagittal plane only

GOALS

- ROM 0-110 degrees
- No effusion

WEEKS 6 - 8

- Brace Open to full range
- Continue appropriate previous exercises
- PROM, AAROM, AROM to regain full motion
- Wall squats No knee flexion past 45 degrees
- Forward, lateral and retro step downs
- No knee flexion > 45 degrees (small step)
- Knee extension ex 90-30 degrees
- Hamstring curls 0-90 Carpet drags or rolling stool (closed chain)
- Leg press 0-90 degrees with resistance as tolerated
- Hip weight machine x 4 bilaterally
- Proprioceptive ex Progress to single leg BAPS, ball toss and body blade
- Stationary bike Progressive resistance and endurance
- Elliptical trainer
- Treadmill Forwards and backwards walking
- Pool therapy Chest deep

GOAL

• Full ROM

WEEKS 8 - 12

- D/C brace
- Continue appropriate previous exercises with progressive resistance
- Forward, lateral and retro step downs Medium to large step
- Hamstring curl weight machine through full range
- Knee extension weight machine through full range
- Stairmaster Small steps
- Treadmill Walking progression program
- Pool therapy Unrestricted
- ITB stretch

GOAL

• Walk 2 miles at 15 min/mile pace

MONTHS 3 - 4

- Continue appropriate previous exercises
- Fitter
- Slide board
- Agility drills Figure 8s, gentle loops, large zigzags

- Swimming
- Treadmill Running progression program
- Quad stretches

GOAL

• Run 2 miles at easy pace

MONTHS 4 - 6

- Continue appropriate previous exercises
- Agility drills / Plyometrics
- Sit-up progression
- Progressive weight training program
- Running progression to track
- Transition to home / gym program

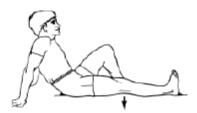
GOAL

• Return to all activities

NO CONTACT SPORTS UNTIL 9 MONTHS POST-OP

KNEE POST-OP PHASE I

Perform exercises below frequently: 30 reps, 3 - 5x a day



Quad Isometrics



Heel Slides



Active Assisted Motion

Ice Position 15 minutes 2-3 x per day



ADAPTED FROM:

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