

## Gluteus Medius Repair Protocol

### PHASE 1: INITIAL PHASE

#### Week 1

- Ankle pumps
- Glut sets
- Quad sets
- Hamstring sets
- Adductor isometrics
- Heel slides
- Pelvic tilts
- Double leg bridges
- Seated knee extensions
- Prone on elbows → Press-ups for Iliopsoas and Abdominal stretch (avoid low back pain)
- Prone knee flexion → prone on elbows with knee flexion
- Standing hip flexion and extension (depending on comfort level) hip exercises without resistance
- Hip mobilization (grade I) – PRN for pain relief

#### Week 2

Continue with previous exercises, but may add:

- Supine marching with PPT (90 degrees)
- Modified dead bug with PPT (90 degrees)
- Superman in prone on a pillow
- Supine hamstring stretches with a belt
- Supine Iliopsoas/Rectus Femoris stretch with involved leg off of table as tolerated
- Stationary bike without resistance
- Standing 2 way hip exercises with Theraband resistance – start very low resistance

#### Week 3

Continue with previous exercises, but may add:

- Leg raises – extension and flexion
- Seated physioball progression of hip flexion
- Active range of motion with gradual end range stretch within tolerance

**Patient may progress to Phase 2 when they have achieved the following: minimal pain with phase 1 exercises, 90 degrees of pain free flexion, minimal range of motion limitations with internal rotation/extension/abduction.**

## **PHASE 2: INTERMEDIATE PHASE**

Weeks 4-6

Continue with previous or modified versions of previous exercises, but may add:

- Crunches
- Double leg bridges on the ball
- Gradually increase resistance with stationary bike
- Standing adduction with theraband resistance
- Aquatic exercises- flutter kick, swimming, 4 way hip with water weights as tolerated, step ups
- Superman in quadruped
- Single leg bridges as tolerated

**Patient may progress to Phase 3 when they have achieved the following: 105 degrees of flexion, 20 degrees of ER, hip flexion strength >60% uninvolved side, adduction/IR/extension/ER strength 70% uninvolved side, pain free with phase 2 exercises**

## **PHASE 3: ADVANCED PHASE**

Week 7

Continue with previous or modified versions of previous exercises, but may add:

- Log rolling
- Calf Raises
- Physioball exercises – hip lift, bent knee hip lift, hamstring curls, balance

Week 8

Continue with previous or modified versions of previous exercises, but may add:

- Mini squats
- Leg press (start with minimal resistance and increase by patient tolerance)
- Step-Up
- Side stepping over cones
- Core strengthening on physioball
- Abduction isometrics- minimal resistance without pain

Week 9

Continue with previous or modified versions of previous exercises, but may add:

- Standing abduction without resistance
- Elliptical
- Seated IR/ER
- Clamshells

Week 10

Continue with previous or modified versions of previous exercises, but may add:

- Sidelying abduction without resistance as tolerated (instead of standing)
- Single leg balance
- Abduction and adduction leg raise
- BOSU squats

**Patient may progress to Phase 4 when they have achieved the following: gluteus medius strength 60-70%, patient can perform phase 3 exercises without pain, pain-free, normal gait pattern.**

## **PHASE 4: SPORTS SPECIFIC REHAB CLINIC BASED PROGRESSION**

Weeks 11-15

Continue with previous or modified versions of previous exercises, but may add:

- Standing abduction with Theraband resistance as tolerated without pain
- Pool running
- Lateral step ups
- Elliptical
- Step drills, quick feet step ups, forward, lateral, carioca
- Plyometrics – double leg and single leg shuttle jumps
- Theraband walking patterns 1 rep of six exercises at 50 yards – forward, sidestepping, carioca, monster steps, backward, half circles.
- Sidestepping with resistance – can use sports cord
- Single leg body squats
- Lunges – from single plane to tri-planar; add medicine balls for resistance
- Sport specific training

**Patient may progress to final phase when they have achieved the following: single leg mini squat with a level pelvis, can perform phase 4 exercises with proper body mechanics and without pain.**

## **FINAL PHASE**

Weeks 16+

Continue with previous or modified versions of previous exercises, but may add:

- Running progression
- Sport specific drills
- Traditional weight training
- Plyometric training

**Criteria for full return to sport:**

- Full range of motion**
- Hip strength equal to uninvolved side; single leg pick-up with level pelvis**
- Ability to perform sport-specific drills at full speed without pain**
- Completion of functional sports test**
- Restore full gluteus medius strength before higher level activities are added**