
Rehabilitation Protocol

Hip Arthroscopic Labral Resection

I. Immediate Post-Operative Phase (Week 1):

Goals: Normalize gait, maintain hip flexibility

(A) Exercises

Hip flexibility

- Hip flexors
- Quads
- Piriformis/glutes
- Trunk flexibility
- Hamstring stretch
- Multi-angle isometrics hip flex/ext/ABD/ADD/IR/ER
- Quad sets, glute sets
- Gait Training
- Straight leg raising (all 4 directions)
- Standing weight shifts and mini squats (0° - 30°)
- Knee extension 90° - 0°

(B) Self-directed Circumduction Program:

Lay supine and assistant will elevate leg 10° and abduct 20°

Make circles (both IR and ER) set of 10

Lay supine and assistant will elevate leg 70° and abduct 50°

Make circles (both IR and ER) set of 10

Repeat 3 times a day for the first 6 week following surgery

II. Maximum Protection Phase (Week 2-6):

Goals:

- Absolute control of external forces
- Nourish articular cartilage
- Decrease fibrosis
- Stimulate collagen healing
- Prevent muscle atrophy
- Prepare ambulation with crutches

(A) Week 2:

Weight Bearing: Full, discontinue crutch

ROM: 0° -90°

Exercises:

- Multiple-angle isometrics
- Leg raises (4 planes)
- Maintain hip and trunk flexibility
- Standing weight shift and mini squats 0° -40°
- Proprioception training
- Initiate aquatic exercises for gait training

(B) Week 3-4:

Full Weight Bearing- No Crutches

Exercises:

- Same as week two
- Bicycle for ROM stimulus and endurance
- Initiate eccentric quads
- Hip flexion ROM > 90° per tolerance
- Progress pool activities

III. Controlled Ambulation Phase (Week 6-9):

Goals:

- Control forces during walking
- Maximal strength for lower extremity

Exercises:

- Same as week 4
- Initiate swimming program
- Initiate step-ups (Start with 2" and gradually increase)
- Increase closed kinetic chair rehab
- Increase proprioception training
- Passive ROM hip flex 0° - 110°
- Initiate walking program

IV. Light Activity Phase (Month 3-4):

Goals:

- Development of strength, power, and endurance
- Begin to prepare for return to functional activities
- Enhance neuromuscular coordination and endurance

Exercises:

- Continue strengthening exercises
- Initiate plyometric program
- Initiate running program
- Initiate agility drills
- Sport-specific training and drills

Criteria to Initiate Running Program:

- Satisfactory clinical exam
- Adequate quad/hip control/strength
- Pain free plyometric drills

V. Return to Activity Phase (Month 5-6):

Goals:

- Achieve maximal strength and further enhance neuromuscular coordination and endurance

Exercises:

- Continue strengthening program
- Continue closed chair strengthening program
- Continue plyometric program
- Continue running and agility program
- Accelerate sport specific training and drills