

## Phase 1 – Early Protective Phase (0-2 weeks)

Goals for Phase 1	Precautions for Phase 1
<ul> <li>Protect surgical repair</li> </ul>	<ul> <li>Toe touch weight bearing</li> </ul>
Control pain	<ul> <li>Avoid active hamstring contraction</li> </ul>
<ul> <li>Control swelling</li> </ul>	<ul> <li>Avoid hip flexion &gt;60°</li> </ul>
	<ul> <li>Knee brace locked at 30° to avoid full knee extension</li> </ul>
	<ul> <li>No active knee flexion against gravity</li> </ul>
	<ul> <li>Knee extension limited pending intra- operative tension on repair</li> </ul>

## **Weight Bearing**

**0-2 weeks:** Toe touch weight bearing with crutches

### **Brace**

- **0-2 weeks:** Knee brace locked with extension block at 30°
- May passively flex knee as tolerated with block in place

# **Passive Range of Motion**

- May initiate hip PROM with knee flexed at 90°
  - Limit hip flexion to <60°</li>
- Avoid combined knee flexion and hip extension

## **Manual Therapy**

- Light desensitization massage around incision and posterior hip region
- Grade 1-2 hip mobilization for pain modulation including log rolling with knee flexed
- Soft tissue mobilization

## Strengthening

- Ankle pumps
- · Quad sets in knee flexed position
- Abdominal isometrics
- Glute sets

#### **Modalities**

Ice 4-6x/day for 20 minutes per session

Form Number 80196 Page 1 of 4



## Phase 2 – Intermediate Phase (2-6 weeks)

### Goals for Phase 2

- Protect surgical repair
- Normal gait pattern
- Return to pain-free functional ADLs

### **Precautions for Phase 2**

- Monitor tenderness at the surgery site
- No hamstring stretching exercises
- Limit hip flexion to less than 90°
- No impact or running

## **Weight Bearing**

- Partial weight bearing 50% with use of crutches or walker
- Brace to be worn while ambulating

#### Brace

- Knee brace locked at 30° of flexion (avoid knee extension) during ambulation.
- May unlock for range of motion

### **Range of Motion**

- Continue with hip and knee flexion PROM
  - Limit hip flexion to 90° with knee flexed at 90°
- Prone passive knee ROM with hip extended begin gradual progression of knee extension toward 0° (do not force)

#### **Manual Therapy**

- Scar mobilization
- Soft tissue mobilizations
- Grade 1-2 hip mobilizations for pain modulation including log rolling with knee flexed

#### Strengthening

- Bilateral strengthening program including standing calf raises, mini squats, side stepping, step ups
- Hip and guad strengthening: side-lying active assisted hip abduction, clamshells, limited range short arc quad and long arc quad (avoid end range extension)
- Core strengthening
- May initiate sub-max isometrics of hamstrings starting at 6 weeks post-operative in supine

#### **Proprioception**

Double leg balance and proprioceptive training

### **Aquatics**

- May initiate when incision is healed with focus on core strength, normalizing gait, and mobility
  - No resisted hamstring exercises during this phase

#### **Modalities**

Ice 2-3x/day for 20 minutes per session

Page 2 of 4 Form Number 80196 Rev. 11/3/2025



## Phase 3 – Intermediate Phase (6-12 weeks)

### Goals for Phase 3

- Return to unrestricted ADLs at home
- Progressive work-based activities
- Progressive hamstring loading
- Improve lower extremity strength

#### **Precautions for Phase 3**

- No pain during strength training
- Do not overload with repaired tendon

### **Weight Bearing**

Wean from crutches gradually over two-week period starting at 6 weeks

#### **Brace**

May begin to wean from brace

### **Range of Motion**

- Continue to gradually progress hip and knee range of motion within pain-free range
- No restrictions on the range of motion

### Manual Therapy

- Scar mobilization
- Soft tissue mobilizations
- Grade 1-4 hip mobilizations as needed for hip tightness

### Strengthening

- Initiate upright stationary bike
- Bilateral strengthening program including standing calf raises, mini squats, side stepping, double leg bridges, step ups
- Hip and quad strengthening: side-lying hip abduction, clamshells, straight leg raise, short arc quadriceps, long arc quadriceps, etc.
- Core strengthening
- Partial lunge
- Step-ups and step-downs
- Initiate hamstring isometric and gradually progress toward low load isotonic hamstring activation exercises in shorted hamstring position, gradually progressing to more lengthened hamstring position
- After 12 weeks, may initiate more single leg loading exercises (i.e. single leg squats, single leg RDL, single leg bridge, etc.)

#### **Proprioception**

Single leg balance and proprioceptive training

### **Modalities**

Ice 2x/day for 20 minutes per session

Page 3 of 4 Form Number 80196 Rev. 11/3/2025



# Phase 4 – Return to Activity Phase (12+ weeks)

Goals for Phase 4	Precautions for Phase 4
<ul> <li>Progress muscle strength, endurance, and balance</li> </ul>	No sprinting until 24 weeks post-op
<ul> <li>Progress with multi-directional</li> </ul>	
movements	
<ul> <li>Progress with impact activities</li> </ul>	

### **Proprioception**

- Advanced proprioceptive training with unstable surfaces with perturbations and/or dual
- Sport specific balance tasks

## Strengthening

- Gradually progress load of exercises
- Progress with power and speed exercises
- Nordic curls
- Single leg Swiss ball bridge to hamstring curls

## **Agility**

- May begin double leg impact when strength is <20% deficit between LE with quadricep</li> and hamstring assessment
- Double to single leg impact
- · Gradual increase in vertical jump height

## **Gait Training/Running**

- Begin progression of walk distance and speed
- Begin walk jog program at 16 weeks if strength is less than 20% LSI.
- Week 20: Initiate multi-directional running and cutting drills

### **Modalities**

• Utilize ice as needed

#### **Return to Sport**

- Physician clearance
- Isokinetic testing >90% LSI
- Hamstring strength >50% BW
- Functional hop testing >90% LSI
- No increase in symptoms with sport specific progressions and testing

Page 4 of 4 Form Number 80196