

## Multi-Ligament Knee Reconstruction or Repair

### *More than one of ACL, PCL, MCL, Posterolateral Corner*

Updated March 2020

#### **CRUTCHES AND WEIGHT BEARING:**

- You are to be non-weight bearing on your affected leg and use crutches for the first 6 weeks post-op

#### **BRACING:**

- Wear your hinged knee brace **locked in full extension at ALL times** during the first 2 weeks except while showering and working on range of motion exercises.
- After the first 2 weeks
  - If you did not have a meniscal repair, continue to wear hinged knee brace only while ambulating with NO restrictions to motion
  - If you had a meniscal repair, limit flexion to 90 degrees or less while ambulating

#### **WOUND CARE:**

##### **Bandages:**

- If you find the dressing is too tight, you may unwrap the tensor bandage and rewrap it looser.
- On post op day 5 you can remove your dressing. Leave white strips in place, if you have them.

##### **Shower:**

- You may shower at post-op day 5 once your bandages are off. Do not cover incision.
- Keep out of direct spray of the water and pat dry.
- Keep white strips on your incision, they may fall off in the shower.
- **NO soaking in bathtub/hot tub or pool for first 2-3 weeks and all scabs are gone from the incision.**

#### **SIGNS AND SYMPTOMS OF INFECTION:**

- Excessive or worsening pain, increased redness around the incision sites, drainage from incisions that looks like pus and/or is foul smelling, if fever runs above 38.5°C.
- If any of the above symptoms occur call Central Alberta Orthopedics at 403-309-2001 or go to the emergency department right away.

#### **CONTROL OF PAIN AND SWELLING:**

##### **Pain Medication:**

- For the first few days take your pain medication and anti-inflammatories regularly as instructed, then wean as tolerated. Avoid taking pain medications on an empty stomach.

##### **Cold Therapy:**

- If you have a cold therapy machine, use it as much as possible.
- If you don't have a cold therapy machine, remove outer bandage to ice for 20-30 minutes, at least four times for several days. Use it more frequently as needed to help in reducing pain. Avoid placing ice directly on bare skin to prevent frostbite. Have a 30-minute break in between sessions.

##### **Elevation:**

- Keep leg elevated above the level of your heart as often as possible with a pillow under your calf, NOT under the knee.

#### **PREVENTING BLOOD CLOTS**

- Make sure you get up and walk around as much as possible; mobilizing prevents clots.
- Take the blood thinner your surgeon prescribed.

##### **Signs and Symptoms of Blood Clots:**

- Severe and worsening pain and swelling in the calf muscle.

- Chest pain and/or shortness of breath.
- If you have these symptoms, call Health Link at 8-1-1 or go to the emergency department right away.
- **Blood clots, if left untreated, have the potential to become LIFE THREATENING.**

### **DRIVING:**

- If surgery on RIGHT KNEE you are restricted from driving for 6 weeks post-surgery
- If surgery on LEFT KNEE you are restricted from driving for 2 weeks post-surgery (only if you are driving an automatic transmission)
- You may return to driving a vehicle (non-commercial) when you are no longer affected by pain or under the influence of pain medications, able to **fully weight bear on right leg for automatic transmission and both right and left legs for standard transmission**, and you must also be confident that you can react appropriately in an emergency.

### **FLYING:**

- Avoid flying within 4 weeks of surgery as it increases your risk of developing a blood clot.

### **EXPECTED RECOVERY:**

- Back to sedentary duties by 2-6 weeks post-op
- Back to medium or modified duties by 6-9 months post-op
- Back to heavy labour or sports by 9-12 months post-op

**Due to the anesthetic, for the next 24 hours: Do NOT drive, sign legal documents, provide child care on your own or consume alcohol.**

### **PHYSICAL THERAPY:**

- You will see a physiotherapist at your 2 week follow-up appointment.

### **Goals:**

1. Reduce inflammation and swelling
2. Range of motion: Full hyperextension to full flexion by the end of 3<sup>rd</sup> week
3. Quadriceps muscle activation

### **POST OPERATIVE KNEE EXERCISES (MAY START 1<sup>ST</sup> DAY AFTER SURGERY):**

1. Ankle pumps
2. Knee range of motion:
  - a. Flexion: Slide heel along bed toward buttock while lying on back. Use other leg to help if needed.
  - b. Extension: Place a roll beneath ankle to passively stretch knee into extension. Low load, long duration
3. Quadriceps contraction with knee straight and leg supported
4. Straight leg raises
5. Hip adduction – ball or pillow squeezes between knees
6. Calf stretches – sitting with knee straight, pull back on toes and foot with a towel or belt

**Perform all exercises 2-3 times per day on both legs as tolerated.**