

Dr Louis Shidiak

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Hip & Knee Surgeon
Joint Replacement
Hip Arthroscopy Surgery
Hip Preservation

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Activities after Knee Replacement

If you are a candidate for knee replacement surgery, you probably anticipate that life after the surgery will be much like life before it, only without the pain. In many ways, you are correct. But change doesn't happen overnight and your active participation in the healing process is necessary to ensure a successful outcome.

Although you will be able to resume most activities, you should avoid activities that place excessive stress on the new knee. The following suggestions will help you adapt to your new joint and resume your daily activities safely.

Activities in the hospital

The knee is the largest joint in the body, and replacing it is major surgery. Although you'll probably want to take it easy at first, early mobilization is important. If you had considerable pain in your knee, you probably cut back on your activities before surgery and your leg muscles may be weak. You'll need to build up strength in your quadriceps muscles to develop control of your new joint. Early activity is also important to counteract the effects of the anaesthesia and to encourage healing.

Proper pain management is important in your early recovery. Although pain after surgery is quite variable and not entirely predictable, it can be controlled with medication. Remember that it is easier to prevent pain than to control it. You don't have to worry about becoming dependent on the medication. You will be given Local Anaesthetic during surgery and also be given antibiotics and blood-thinning medication to help prevent blood clots from forming in the veins of your thighs and calves.

You may lose your appetite and feel nauseous or constipated for a couple of days. These are normal reactions. You may be fitted with a urinary catheter during surgery and be given stool softeners or laxatives to ease the constipation caused by the pain medication after surgery. You will be taught to do breathing exercises to prevent congestion from developing in your chest and lungs.

Initially, you will have a bulky dressing around the knee and a drain to remove any fluid build up around the knee. The drain will be removed in a day or two. You may also be wearing elastic stockings and possibly compression stockings. These plastic sleeves are connected to a machine that circulates air around your legs to help keep blood flowing normally.

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Shoulder & Elbow

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Hip & Knee

Dr Ali Gürsel
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Dr Nicholas Smith
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Usually a Physiotherapist will visit you on the day after your surgery and begin teaching you how to use your new knee. Even as you lie in bed, you can "pedal" your feet and "pump" your ankles on a regular basis to promote blood flow in your legs.

Activities After Knee Replacement (continued)

Discharge

Your hospital stay may last from 3 to 7 days, depending on how well you heal after surgery. Before you go home or are transferred to a rehabilitation hospital, you will need to meet several goals:

1. Get in and out of bed by yourself
2. Bend your knee approximately 90 degrees, or show good progress in bending your knee
3. Extend (straighten) your knee fully
4. Walk with crutches or a walker on a level surface and to climb up and down 2 or 3 stairs
5. Do the prescribed exercises

You may experience swelling in your leg after you are discharged. Elevating the leg, wearing compression stockings and applying an ice pack for 15 to 20 minutes at a time will help reduce the swelling.

You will probably need some help at home for several weeks. If you do not have sufficient help at home, you may be temporarily transferred to a rehabilitation centre. The following tips can make your homecoming more comfortable.

- Rearrange furniture so you can manoeuvre with a walker or crutches. You may temporarily change rooms (make the living room your bedroom, for example) to avoid using the stairs.
- Remove any throw or area rugs that could cause you to slip. Securely fasten electrical cords around the perimeter of the room.
- You may need to install a shower chair, gripping bar and raised toilet in the bathroom.
- Use assistive devices such as a long-handled shoehorn, a long-handled sponge and a grabbing tool or reacher to avoid bending too far over.

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Activities at home

General guidelines for wound care include:

- Keep the area clean and dry until the wound has healed at approximately 10 days. A dressing will be applied in the hospital and should be changed as necessary. Ask for instructions on how to change the dressing before you leave the hospital.
- Notify Dr Shidiak if the wound appears red or begins to drain.

Activities After Knee Replacement (continued)

- Swelling is normal for the first three to six months after surgery. Elevate your leg slightly and apply ice.
- Calf pain, chest pain or shortness of breath are signs of a possible blood clot. Notify Dr Shidiak or the hospital immediately if you notice any of these symptoms.
- If a blood clot forms and then breaks free, it could travel to your lungs, resulting in a pulmonary embolism, a potentially fatal condition.

Medication

Take all medications as directed. You will probably be given a blood thinner to prevent clots from forming in the veins of your calf and thigh, because these clots can be life threatening.

Because you have an artificial joint, it is especially important to prevent any bacterial infections from settling in your joint implant. You should take antibiotics whenever there is the possibility of a bacterial infection, such as when you have dental work. Be sure to notify your dentist that you have a joint implant and let Dr Shidiak know if your dentist schedules an extraction, periodontal work, dental implant, or root canal work.

Diet

By the time you go home from the hospital, you should be eating a normal diet. Your physician may recommend that you take iron and vitamin C supplements. Continue to drink plenty of fluids and eat a balanced diet. You should continue to watch your weight to avoid putting more stress on the joint.

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Resuming normal activities

Once you get home, you should continue to stay active. The key is to remember not to overdo it! While you can expect some good days and some bad days, you should notice a gradual improvement and a gradual increase in your endurance over the next 6 to 12 months. The following guidelines are generally applicable, but the final answer on each of these issues should come from your doctor.

- **Physical therapy exercises:** Continue to do the exercises prescribed for at least two months after surgery. Riding a stationary bicycle can help maintain muscle tone and keep your knee flexible. Try to achieve the maximum degree of bending and extension possible.
- **Driving:** If your left knee was replaced and you have an automatic transmission, you may be able to begin driving in a week or so, provided you are no longer taking narcotic pain medication. If your right knee was replaced, avoid driving for 6 weeks. Remember that your reflexes may not be as sharp as before your surgery.

Activities After Knee Replacement (continued)

- **Airport metal detectors:** The sensitivity of metal detectors varies and it is unlikely that your prosthesis will cause an alarm. You should carry a Joint replacement alert card indicating you have an artificial joint, just in case.
- **Sexual relations** can be safely resumed approximately 4 to 6 weeks after surgery.
- **Sleeping positions:** You can safely sleep on your back, on either side, or on your stomach.
- **Return to work:** Depending on the type of activities you perform, it may be 6 to 8 weeks before you return to work.
- **Other activities:** Walk as much as you like, but remember that walking is no substitute for the exercises shown to you. Swimming is also recommended; you can begin as soon as the sutures have been removed and the wound is healed, approximately 6 to 8 weeks after surgery. Acceptable activities include dancing, golfing (with spike less shoes), bicycling (on level surfaces) doubles tennis and bowls. Avoid activities that put stress on the knee. These activities include: badminton, contact sports (football, baseball), squash or racquetball, jumping, squats, skiing or jogging. Do not do any heavy lifting (more than 40 pounds) or weight lifting.

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Sample Exercises

These exercises will help strengthen the quadriceps muscles on the front of the thigh that stabilize and move the knee.

1. Lie on your back with your arms at your side and your legs straight, together, and flat. Place a rolled towel or small pillow under your ankles to raise your heel slightly. Tighten the muscles on the top of one thigh as you push the back of your knee down toward the floor (bed). Hold for 5 seconds, relax for 5 seconds. Do 10 cycles with each leg.
2. Put a rolled blanket or pillow under your knee so that the knee bends about 30 to 40 degrees. Tighten the muscles on the top of your thigh and straighten the knee by lifting your heel off the floor (bed). Hold 5 seconds, then slowly lower your heel to the floor (bed). Repeat 10 to 20 times.

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