
Total Knee Replacement

Overview

This is a protocol that provides you with general information and guidelines for the initial stage and progression of rehabilitation according to the listed timeframes. Specific changes may be made by the care team as appropriate given each patient's operative findings.

Questions

If you have any concerns or questions after your surgery, during business hours call **763-302-2231**. You may need to leave a message.

After hours 763-520-7870

Address

Maple Grove

9630 Grove Circle N., Suite 200
Maple Grove, MN 55369

Minnetonka

15450 Highway 7, Suite 100
Minnetonka, MN 55345

Robbinsdale

3366 Oakdale Ave. N Suite 103
Robbinsdale, MN 55422

POST OPERATIVE INSTRUCTIONS



WEIGHT BEARING STATUS

- Weight-bear as tolerated with crutches/walker for support.

DIET

- Progress to your normal diet as tolerated.

HOSPITAL STAY

- Most health insurance plans now designate total knee replacement as an out-patient surgery. Unless you have significant medical co-morbidities, your health insurance may not cover a prolonged hospital stay.
- This means that you will stay in the hospital overnight and be discharged to home the next day.
- You should plan on having help at home from family or friends for the first few weeks of your recovery.



More Information

Deep Vein Thrombosis (DVT) prophylaxis

- Deep vein thrombosis (DVT) is a serious condition because blood clots in your veins can break loose, travel through your bloodstream and lodge in your lungs, blocking blood flow (pulmonary embolism or PE).
- Symptoms: Pain and swelling in the affected leg. The pain often starts in the calf and can feel like a cramping or tightness.
- Risk factors: Smoking, obesity, pregnancy, oral contraceptives, prolonged sitting, and surgery.
- Prevention: Stop smoking, muscle activation, walk and engage in an active recovery, and take Aspirin 325 mg daily for patients 18 years and older.
- Pain, swelling, and calf tightness are common following knee surgery and is not a indication that you have a DVT.
- Ultrasound is the only reliable method of diagnosis for a suspected

WOUND CARE

- Leave surgical Aquacel dressing in place for 7 days.
- Swelling, bleeding, or oozing from the incision sites is not uncommon. If bleeding or drainage occurs from the incisions, re-apply another Aquacel dressing, or apply an ACE wrap under gentle compression.
- Once surgical dressing has been removed, keep incisions clean and covered.
- You may shower over the Aquacel dressing with gentle soap and running water.
- No pools, tubs, baths, or immersion until the incisions have fully healed.

MEDICATIONS

- Local anesthetics were used at the time of surgery. This will wear off in 8-12 hours.
- Most patients will require oral narcotic medications for a short period of time following surgery. Use these medications judiciously and take only as much as needed to control your pain.
- Narcotic pain medications have common side effects including: nausea, vomiting, somnolence, and constipation. These side effects go away following cessation of the medication.
- Ibuprofen and acetaminophen can be used as adjuvant pain relievers. It is often helpful to take these medications in between narcotic doses.

DEEP VEIN THROMBOSIS PROPHYLAXIS

- Deep vein thrombosis (DVT) prophylaxis is necessary within the first 4 weeks of surgery.
- Muscle activation, motion of your joints, and walking will decrease your risk of DVT.
- In addition, Dr. Arthur will also prescribe medication to further reduce the risk of DVT.
- Typically, Dr. Arthur will prescribe aspirin 325 mg twice daily for a 30 day period.
- For patient's with an allergy or intolerance to aspirin, an alternative medication will be prescribed.

DR. ATHUR'S TOP 3:

An active recovery is essential for the success of your surgery. These are Dr. Arthur's Top 3 most important instructions following surgery:

- **Muscle activation is essential:** Activate your quadriceps, hamstrings, and calf muscles as much as possible.
- **Range of motion is essential:** Don't be afraid to move the knee.
- **Full knee extension is essential:** Get your knee into full extension (fully straight) for 20 minutes, 3-4 times daily.

ACTIVITY

- **An active recovery is the answer for a successful recovery.**
- Crutches/walker will be needed for balance and support following surgery.
- You are free to put full weight on your leg as tolerated. Mobilize away from the crutches/walker as able.
- You are encouraged to bend and move the knee as tolerated.
- Loss of normal muscle activation is common following surgery. An active recovery program will expedite a return to muscle function.
- Until active quadriceps muscle function returns, crutches/walker will be necessary to avoid having your knee "give way," thereby preventing you from falling and/or injuring yourself.

PHYSICAL THERAPY

- Physical therapy should be scheduled 3-4 days from surgery.

DRIVING

- No driving until instructed by your surgeon.

ICE THERAPY

- **Use ice judiciously.**
- Ice is good at relieving the pain, but may be detrimental to your body's natural healing process.
- Ice will adversely decrease blood flow into the surgical site, which can inhibit the ability of your body to deliver important growth factors and stem cells to their target site.
- Ice will also inhibit the body's natural mechanism to clear the swelling and inflammation that accumulates at the surgical site, which can cause unwanted congestion in the soft-tissues.
- **Much better than ice: dedication to an active recovery through joint range of motion and muscle activation.**

POST OPERATIVE INSTRUCTIONS

POST-OP APPOINTMENTS

- Your first post-op appointment should be scheduled 10-14 days from surgery.
- At that appointment, you will have your sutures removed and review the surgery with Dr. Arthur. Please bring your operative pictures with you to this appointment to enhance your understanding of the surgery.
- We will also order an X-ray and assess your knee for range of motion and muscle activation.
- Subsequent appointments will be guided based on your level of recovery.

WHAT TO EXPECT AFTER SURGERY

- Swelling, bruising, and slight oozing from the incisions are common and to be expected.
- Walking and stairs will be difficult for the first few days, but will become easier as your muscles function improves.
- Narcotic pain medication can be discontinued as soon as the immediate post-op pain has adequately subsided. Ibuprofen and/or acetaminophen can be used throughout the recovery process.
- Physical therapy should be started 3-4 days following surgery.
- Most patients return to work 4-6 weeks from surgery. If your job is demanding or you need help or guidance, Dr. Arthur will work with you to find the appropriate timing on returning to work.

DENTAL APPOINTMENTS

- Plan to have all necessary dental procedures completed prior to your knee replacement
- Do not schedule any dental appointments within 3 months of your knee replacement
- Antibiotics will be prescribed for future dental appointments for a period of 2 years after your surgery.

ICE MACHINES



GAME READY



CRYOCUFF



POLAR ICE

Patients are not required to purchase any of these devices. They are only offered as a supplemental modality to help with pain control. Patients may use ice packs from home or any other cold therapy device

BENEFITS

- Portable ice machines
- Reduces pain and swelling
- Gives constant cold therapy

PRICE

- Call for prices

CONTACT

Jeff Olmscheid

Ottobock Medical

Phone: 612-839-1472



Narcotic Disposal

WHY YOU SHOULD DISPOSE OF YOUR MEDICATIONS

- CHILDREN ACCIDENTALLY INGESTING HARMFUL MEDICATIONS
- USE OF MEDICATIONS FOR OTHER REASONS INSTEAD OF THEIR INTENDED PURPOSE
- USE OF EXPIRED MEDICATIONS WHICH CAN CAUSE ILLNESS OR OTHER HARM

**33% OF AMERICANS REPORT THEY HAVE NOT CLEANED OUT THEIR MEDICINE CABINETS IN MORE THAN A YEAR.

FLUSH?

Proper disposal is important. Medicines flushed down the toilet contaminate water, harm wildlife and pollute drinking water. According to the Minnesota Pollution Control Agency, U.S. Food and Drug Administration and Drug Enforcement Administration, flushing medications down the toilet is not the best way to get rid of unused medications.

HOW YOU SHOULD DISPOSE

1. Bring your medications to a local drug take-back location. (see list below)
2. The DEA has two National Drug Take Back Days every year across the U.S.
 - a. Go to the DEA, Diversion Control Division website for more information
https://www.deaddiversion.usdoj.gov/drug_disposal/takeback/
3. Some drug take-back programs offer mail-back programs
4. You should only flush medications if it's indicated by the medication instructions
5. If you are unable to bring your medications to a drug take-back location, you can throw away medications by:
 - a. Mixing them with sawdust, kitty litter or coffee grounds.
 - b. Sealing the contents in a plastic bag.

LOCATIONS TO DISPOSE

Brooklyn Center

Hennepin County District Court Brookdale
6125 Shingle Creek Pkwy, Brooklyn Center, MN
Hours: Mon-Thurs 9 a.m. - 9 p.m.
Fri & Sat 9 a.m. - 5 p.m.
Sun Noon - 5 p.m.

Brooklyn Park

Hennepin County Sheriff's Patrol Headquarters
9401 83rd Ave. N., Brooklyn Park, MN
Hours: Mon-Fri 8 a.m. - 4:30 p.m.

Edina

Hennepin County Library - Southdale
7001 York Ave. S., Edina, MN
Hours: Mon-Thurs 9 a.m. - 9 p.m.
Fri & Sat 9 a.m. - 5 p.m.
Sun Noon - 5 p.m.

Golden Valley

Golden Valley Police Department
7800 Golden Valley Rd, Golden Valley, MN
Hours: 24 hrs a day, 7 days a week

Maple Grove

Maple Grove Police Department
12800 Arbor Lakes Parkway N, Maple Grove, MN
Hours: 24 hrs a day, 7 days a week

Minneapolis

Hennepin County Public Safety Facility
401 4th Ave. S., Minneapolis, MN
Hours: 24 hrs a day, 7 days a week

Minneapolis Police Department

1st precinct
19 N 4th St., Minneapolis, MN
Hours: 24 hrs a day, 7 days a week

Minneapolis Police Department

4th precinct
1925 Plymouth Ave. N., Minneapolis, MN
Hours: 24 hrs a day, 7 days a week

Minnetonka

Hennepin County District Court Ridgedale
12601 Ridgedale Drive, Minnetonka, MN
Hours: Mon-Thurs 9 a.m. - 9 p.m.
Fri & Sat 9 a.m. - 5 p.m.

Osseo

Osseo Police Department
415 Central Ave., Osseo, MN
Hours: Mon-Thurs 7:30 a.m. - 5 p.m.
Fri 7:30 a.m. - 11:30 a.m.

Spring Park

Hennepin County Sheriff's Water Patrol
4141 Shoreline Drive, Spring Park, MN
Hours: Mon-Fri 8 a.m. - 4:30 p.m.

For more information
Visit hennepin.us/medicine
or call 612-348-3777.