

TIBIAL TUBERCLE OSTEOTOMY ± MPFL RECONSTRUCTION

Your Instructions After Surgery



Stanford
MEDICINE



Medications

MEDICATION	WHAT IT IS FOR	HOW TO TAKE IT
Acetaminophen (Tylenol)	Baseline pain control	1,000 mg every 8 hours , on a schedule. No more than 3,000 mg in 24 hours.
Oxycodone 5 mg	Breakthrough pain not managed by other medications. Most people need it for the first few days to week after surgery.	1 to 2 tablets as needed every 4 to 6 hours.
Ondansetron (Zofran)	Nausea	As needed, as directed on the label.
Docusate (Colace)	Stool softener	Take while you are taking oxycodone, as directed on the label.
Aspirin	Blood clot prevention	81 mg twice a day for 30 days , starting the morning after surgery. If you have a higher risk of blood clots, Dr. Tummala may prescribe a stronger blood thinner instead.
Anti-inflammatory	Pain and swelling	May be an option for some patients. Take one only if Dr. Tummala recommends it and you can tolerate it.

Your medications may vary slightly from this list based on your current medications and health history. Any changes will be reviewed with you before surgery.

Example of a day in the first week

TIME	ACETAMINOPHEN	OXYCODONE
8 am	1,000 mg	Take 1 to 2 tablets as needed every 4 to 6 hours
4 pm	1,000 mg	
12 am	1,000 mg	

- **Acetaminophen is the base of your pain control.** Oxycodone is only for pain that breaks through.
- Tell us if you have a history of stomach ulcers, GI bleeding, kidney problems, or an NSAID allergy.
- Do not drive or drink alcohol while taking oxycodone.
- All medications are sent to your pharmacy. Pick them up before your surgery date or after surgery.
- If you had a **nerve block**, your leg will feel heavy and numb for many hours, sometimes more than a day. **Start your pain medication before the numbing wears off**, because it usually goes from numb to painful quickly. If you went home with a **nerve catheter**, the pump keeps the leg numb for about **2 to 3 days**; follow the anesthesia team's instructions for removing it.



Weight Bearing and Brace

- For the **first 6 weeks**, you may rest your **foot flat** on the ground for balance, but do not put weight through the leg (foot-flat weight bearing). Use crutches. The bone that was moved needs to heal before it takes weight.
- Wear the brace **at all times** except for hygiene. Walk with the brace **locked straight**.
- For the **first 2 weeks** the brace is set to allow bending from **0 to 45 degrees**. From **3 to 6 weeks** it may be increased toward **90 degrees**, and you may take it off at night.
- At **7 to 8 weeks** you will add weight gradually, about 25 to 50% more each week, to reach **full weight by 8 weeks**. The brace and crutches come off as tolerated.



Dressing and Showering

Your incision care at a glance

Days 0 to 3	Day 3	Day 5	4 to 6 weeks
Keep the dressing on and dry . No showering ; sponge bathe.	Remove the dressing and shower . Put clean, dry gauze back on; change daily or when wet.	Leave the incisions open to air if they are dry.	Once fully healed, you may soak in a bath, pool, or hot tub.

- Under the dressing you may see some old blood and small white strips (steri-strips) over the incisions. Leave the steri-strips in place.
- When you shower, let soapy water run over the incisions. Do not scrub, and pat them dry afterward.
- Clean around the incisions with a clean washcloth and soap and water only. Do not put alcohol, lotion, ointment, or Neosporin on the incisions.
- The compression wrap helps with swelling. If it feels too tight, you can loosen it.
- Some blood-tinged or clear drainage is normal. If you see thick, yellow, pus-like drainage, send us a photo through the patient portal.



Icing and Elevation

- Ice at least **4 times a day for 20 minutes at a time**, especially for the **first 3 days**. Many patients continue beyond that if they find it helpful.
- Always keep a towel or cloth between the ice and your skin.
- Cold therapy unit: use as directed. If yours has compression, you may start the compression setting the day after surgery as pain allows.
- For the **first 2 days**, keep the knee raised above the level of your heart whenever you are sitting or lying down.
- **Keep the leg straight when you raise it**. Put the pillow under your foot and ankle, never under a bent knee, so you do not lose the ability to fully straighten it.



Home Exercises

- Start the **day after surgery**. Do these **3 to 4 times a day, for 5 to 10 minutes** each session. After therapy starts, you can keep doing this home program under your therapist's supervision, along with the exercises your therapist adds.
- Pump your ankles up and down **often throughout the day**. This helps circulation and lowers the risk of a blood clot.

EXERCISE	PICTURE	HOW TO DO IT
Elevate		Raise the leg whenever you are sitting or lying down. Keep the leg completely straight, with a cushion lengthwise under the leg and an extra cushion under the foot. Do not put cushions under a bent knee. Keep the knee above the level of your heart.
Knee straightening stretch		Lie on your back with a rolled towel under your ankle. Relax and let the knee sink down toward full straightening.
Ankle pumps		Sit on a firm bed with the legs straight and the ankles past the edge. Bring the toes up toward you, then point them away, alternating.
Calf stretch		Sit with the operated leg straight and the other leg bent. Loop a strap around the ball of the foot, hold the ends, and pull back until you feel a stretch in the back of the leg. Hold, then repeat on the other side.
Quad sets		Sit with the knee resting on a rolled towel. Tighten the thigh muscle to press the knee down into the towel without lifting the foot. Relax and repeat.

- **Do not straighten the knee with your own thigh muscle for the first 6 weeks.** The knee may be straightened for you, by your therapist or by your other leg. Bending the knee with your hamstrings is fine. Quad sets are allowed.
- **Bend the knee only to 45 degrees for the first 2 weeks, and to 90 degrees until 6 weeks.** Focus on getting the knee fully straight.
- Avoid any motion that causes a significant increase in pain.



Physical Therapy

- Formal therapy begins **within the first few days after surgery**. Do your home exercises until then. After therapy starts, you can always continue your home program under your therapist's supervision.
- You may go to any therapy clinic that is convenient for you. Book prior to surgery or as early as possible, and call to confirm your appointment.
- Bring the therapy protocol for your therapist.

**Motions to Avoid**

- Foot-flat weight bearing only for the **first 6 weeks**.
- No straightening the knee under your own power for the **first 6 weeks**. This includes kicking the leg out straight and straight leg raises without the brace locked.
- Do not bend the knee past **45 degrees** for the **first 2 weeks**, or past **90 degrees** until **6 weeks**.
- Elliptical and swimming are allowed at **14 weeks**. Jogging starts after **4 months**, usually beginning with pool or anti-gravity treadmill running.
- Return to sport is usually around **6 to 8 months**, once Dr. Tummala clears you.

**Activity**

- Alternate sitting, reclining, and lying down as you can tolerate. Get up and move around regularly during the day.
- A stationary bike may be added at about **7 weeks**, as your therapist directs.

**Driving**

- Not until you are off crutches, off narcotic pain medication, have good control of your thigh muscle, and can control the car comfortably, including an emergency stop. Because you are on crutches until about 8 weeks, this is usually **at least 8 weeks**.
- If you are at all unsure whether you are safe to drive, do not for your safety.

**Work**

- School or desk work is usually possible once you are comfortable on crutches and in the brace.
- Jobs with heavy labor, squatting, or kneeling are cleared by Dr. Tummala as the bone heals and your strength returns.

**Follow-Up**

- Your first visit is **7 to 14 days after surgery** and should be scheduled before surgery. Stitches are removed at this visit. X-rays are taken at follow-up visits to check that the bone is healing.
- Further visits are typically at about **6 weeks, 3 months, 4½ months, and 6 months**.

**When to Call**

- Clinic: **510-974-2800** (Stanford Orthopaedics and Sports Medicine, Emeryville).
- Fever above **101.5°F**, chills, or sweats. A low-grade temperature in the first 48 hours is common.
- Bleeding that has saturated the dressing twice.
- Excessive redness, a foul odor, or yellow or green drainage. Call the clinic if you are concerned.
- Pain that is severe and not controlled by your medication.
- A change in color of the foot or toes.
- Constant cramping, tightness, or pain in either calf.
- Unable to eat, or unable to urinate for more than **1 to 2 days**.
- **Call 911** for chest pain, shortness of breath, or coughing up blood.

This handout is for education only and does not replace medical advice. Always follow the instructions Dr. Tummala and the care team give you for your specific situation.