

# Post-Op Instructions for Autologous Chondrocyte Implantation (MACI) of Patella/Trochlea

Austin V. Stone, MD, PhD

## DIET

- Begin with clear liquids and light foods (jello, soups, etc.)
- Progress to your normal diet if you are not nauseated.

## WOUND CARE

- Maintain your operative dressing, loosen bandage if swelling of the foot and ankle occurs.
- It is normal for the knee to bleed and swell following surgery. If blood soaks onto the ACE bandage, do not become alarmed, reinforce with additional dressing.
- Remove surgical dressing on the third post-operative day – if minimal drainage is present, apply waterproof Band-Aids over incisions and change daily.
- Please keep steri-strips in place if they are present.
- To avoid infection, keep surgical incisions clean and dry for the first 7 days following surgery – you may shower by placing a large plastic bag over your brace beginning the day after surgery. **NO** immersion of the operative leg (ie: bath or pool).
- Please do not place any ointments lotions or creams on the incisions.
- Once the sutures are removed 7-10 days post operatively you can begin to get the incision wet in the shower (let water and soap run over the incision and pat dry). **NO** immersion in a bath until given approval by our office.

## MEDICATIONS

- Local anesthetics are injected into the wound and knee joint at the time of surgery. This will wear off within 8-12 hours. Patients commonly encounter more pain on the first or second day after surgery when swelling peaks.
- Most patients will require some narcotic pain medication for a short period of time – this can be taken as directed on the bottle.

- Common side effects of the pain medication are nausea, drowsiness, and constipation. To decrease the side effects take the medication with food. We recommend a stool softener such as Colace (docusate) available over the counter and be sure to drink plenty of water.
- If you are having problems with nausea and vomiting, contact the office to possibly have your medications changed.
- Do not drive a car or operate machinery while taking the narcotic medication.
- Avoid alcohol use while taking narcotic pain medication.
- If you are having pain that is not being controlled by the pain medication prescribed, you may take an over the counter anti-inflammatory medication such as ibuprofen (600 – 800mg) in between doses of pain medication. This will help to decrease pain and decrease the amount of narcotic medication required. Please take as directed on the bottle.
- Following surgery take one aspirin 81mg tablet daily to lower the risk of developing a blood clot. Please contact the office should severe calf pain occur or significant swelling of the calf or ankle occur.

## **ACTIVITY**

- You may use crutches and weight-bear as tolerated through the operative leg with the brace on and locked in full extension until seen at your follow up appointment.
- Elevate the operative leg to chest level whenever possible to decrease swelling.
- Do not place pillows under knees (i.e. do not maintain knee in a flexed or bent position), but rather place pillows under the foot/ankle.
- Do not engage in activities which increase knee pain/swelling (prolonged periods of standing or walking) for the first 7-10 days following surgery.
- Avoid long periods of sitting (without leg elevated) or long distance traveling for 2 weeks.
- **NO** driving until instructed otherwise by a physician.
- May return to sedentary work or school 3-4 days after surgery, if pain is tolerable.

## **BRACE**

- Your brace should be worn fully extended (straight) at all times (day and night – except for exercises) until otherwise instructed after the first post-operative visit.
- Avoid getting the brace wet (remove for shower).

## **ICE THERAPY**

- Icing is very important in the initial post-operative period and should begin immediately after surgery.
- Use icing machine continuously or ice packs (if machine not prescribed) for 20-30 minutes every 2 hours daily until your first post-operative visit – remember to keep leg elevated to level of chest while icing. Avoid frostbite to the skin by not using icepacks for more than 30 minutes at a time.
- You do not need to wake up in the middle of the night to change over the ice machine or icepacks unless you are uncomfortable.

## **EXERCISE**

- **NO knee motion for the first 72 hours after surgery**
- After 72 hours you may begin exercises (straight leg raises, quad sets, heel slides, and ankle pumps) unless otherwise instructed.
- Discomfort and knee stiffness is normal for a few days following surgery. It is safe to bend your knee in a non-weight-bearing position when performing exercises unless otherwise instructed.
- Complete exercises 3-4 times daily until your first post-operative visit – your motion goals are to have complete extension (straightening) and 90 degrees of flexion (bending) at your first post-operative appointment unless otherwise instructed.
- Perform ankle pumps continuously throughout the day to reduce the risk of developing a blood clot in your calf.
- Formal physical therapy (PT) will begin after surgery. A prescription and protocol will be provided at the time of surgery unless deferred by Dr. Stone.

## **EMERGENCIES**

Contact Dr. Stone's office at **859-218-3131** if any of the following are present

- Painful swelling or numbness (note that some swelling and numbness is normal)
- Unrelenting pain or calf pain
- Fever (over 101° F – it is normal to have a low grade fever (<100°) for the first day or two following surgery) or chills
- Redness around incisions
- Color change in foot or ankle
- Continuous drainage or bleeding from incision (a small amount of drainage is expected)
- Difficulty breathing
- Excessive nausea/vomiting

If you have an emergency after office hours or on the weekend, contact the office at **859-323- 5321** and you will be connected to our pager service. This will connect you with the Physician on call. Do NOT call the Center for Advanced Surgery. You can also call University of Kentucky Hospital at **859-323-5000** and ask for the operator to page the orthopedic resident on call.

If you have an emergency that requires immediate attention proceed to the nearest emergency room.

### **FOLLOW-UP CARE/QUESTIONS**

- If you do not already have a post-operative appointment scheduled, please contact our scheduler at **859-218-3131** to schedule.
- Your first post-operative appointment will be scheduled with either Dr. Stone or his designated assistant for a quick wound check, physical therapy protocol and to answer any further questions you have regarding the procedure.
- Typically the first post-operative appointment is made approximately 7 days following surgery.
- If you have any further questions please contact Dr. Stone's office.