

OPEN MATRIX INDUCED AUTOLOGOUS CHONDROCYTE IMPLANTATION (MACI)

1. DIET

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

2. WOUND CARE

- Maintain your operative dressing, loosen bandage if swelling of the foot or ankle occurs.
- It is normal for the knee to bleed and swell following surgery – if blood soaks onto the bandage, do not become alarmed – reinforce with additional dressing.
- Please maintain steri-strips in place.
- Remove surgical dressing on the second post-operative day – if minimal drainage is present, apply waterproof band-aids over incisions and change daily.
- To avoid infection, keep surgical incisions clean and dry – you may shower by placing waterproof bandaids over incision areas. Or if the incision gets wet, make sure you pat dry the incision when you get out of the shower.
- NO immersion of operative leg (i.e. bath) *Brace may come off to shower.

3. MEDICATIONS

Do not drive a car or operate machinery while taking the narcotic medication

- Pain medication is injected into the wound and knee joint during surgery – this will wear off within 8-12 hours.
- Most patients will require some narcotic pain medication for a short period of time.
- Primary Medication = Oxycodone + Tylenol
 - Take 1 – 2 tablets every 4 – 6 hours as needed
 - Max of 12 pills per day
 - Plan on using it for 2 to 7 days, depending on level of pain
 - If given Oxycodone, This should be your primary medication during the first few days after the Surgery. As the pain level improves you should transition to Norco medication for residual pain.

- Common side effects of the pain medication are nausea, drowsiness, and constipation – to decrease the side effects, take medication with food.
- If constipation occurs, consider taking an over-the-counter laxative such as prune juice, Senekot, Colace (or Periocolase), or Miralax.
- If you are having problems with nausea and vomiting, contact the office to possibly have your medication change, email/call Dr. Kaplin.
- For nausea, take prescribed Zofran / Phenergan.
- Ibuprofen 600-800mg (i.e., Advil) may be taken in between the narcotic pain medication to help smooth out the postoperative “peaks and valleys”, reduce overall amount of pain medication required, and increase the time intervals between narcotic pain medication usage.

4. ACTIVITY

- MUST USE CRUTCHES to maintain TOE TOUCH/HEEL TOUCH weight bearing for the 1st 2 weeks.
- % OF BODY WEIGHT BEARING SHOULD INCREASE BY 10-15% EACH WEEK FOLLOWING WEEK 2.
- WBAT AT 7-9 WEEKS
- 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 foot/ankle to elevate leg.
- Do not engage in activities which increase knee pain/swelling (prolonged periods of standing) over the first 7-10 days following surgery.
- Avoid long periods of sitting (without leg elevated) or long distance traveling for 2 weeks.
- May return to sedentary work ONLY or school 3-4 days after surgery, if pain is tolerable.

5. BRACE

- Your brace should be worn fully extended (straight) at all times (day and night – except for exercises) until otherwise informed by the physician after the first post-operative visit.
- Remove brace for flexion (bending) exercises done in a non-weight bearing position (i.e. lying or sitting).
- Remove brace for shower.

6. ICE THERAPY

- Begin immediately after surgery



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- Use icing machine continuously or ice packs (if machine not prescribed) every 2 hours for 20 minutes daily until your first postoperative visit – remember to keep arm supported while icing
- Motion Medical Ice Machine “Gameready”/Vasothermic device may be used.
 - Use unit as frequently as tolerated x 14 days
 - Unit is programmed hour on/hour off continuous of compression and ice alternating
 - If braced* - Loosen brace to avoid added pressure
- If issues with Vasothermic device, please contact Dr. Kaplin’s office.

7. EXERCISE

- Begin exercises 24 hours after surgery (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 and, in fact preferable to bend your knee (unless otherwise instructed by physician).
- Complete exercises 3-4 times daily until your first postoperative visit – your motion goals are to have complete extension (straightening) and 90 degrees of flexion (bending) at your first postoperative visit unless otherwise instructed.
- Do ankle pumps continuously throughout the day to reduce the possibility of a blood clot in your calf (extremely uncommon).
- Formal physical therapy (PT) will begin after your first postoperative visit. You will be given a script for this at that time.

8. EMERGENCIES**

Contact Dr. Kaplin or her medical assistant at 215-745-4050 if any of the following are present:

- Painful swelling or numbness
- Unrelenting pain
- Fever (over 101° - it is normal to have a low grade fever for the first day or two following surgery) or chills
- Redness around incisions
- Color change in wrist or hand
- 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 same office number 215-745-4050 and you will be connected to our page service – they will contact Dr. Kaplin or one of her physician assistants if she is unavailable. Do NOT call the hospital or surgical center.



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

9. FOLLOW UP CARE + QUESTIONS

- A member of Dr. Kaplin's team will call you on your first day after surgery to address any questions or concerns. If you have not been contacted within 48 hours of surgery, please call the office at 215-745-4050.
- If you do not already have a postoperative appointment scheduled, please contact the office during normal office hours (215-745-4050) and ask for appointment scheduling.