



# Your Graft

*Some people call their graft (vascular access) a lifeline because it makes dialysis possible. Learning all you can about your graft is important... and this brochure is a tool to do just that. If you still have questions after reading this, talk to your doctor or other member of the health care team.*

## What is a Vascular Access?

There are three types of vascular access:

- A fistula
- A graft
- A catheter

These allow the health care team access to your bloodstream over and over again. Each time you have a hemodialysis treatment your vascular access is connected by a tube to a dialysis machine. One tube takes the blood to the dialysis machine to be cleaned. Another tube returns the clean blood to your body. This process of taking blood to and from your body to the dialysis machine is repeated many times during a dialysis run.

This brochure gives you information about *grafts* and their care.

## What is a Graft?

A surgeon joins a vein to an artery using a short piece of soft, plastic-like tubing. The tubing sits under the skin and may be straight or curved. Two hemodialysis needles are inserted into your graft each dialysis treatment.

Grafts usually do not last as long as fistulas and have more problems such as infections or clotting. That is why they are the second choice for vascular access. On the other hand,

grafts usually last longer than catheters and have fewer problems.

## Usually Grafts:

- are inserted in the forearm, upper arm, or thigh;
- are inserted in the arm that has the best blood vessels. If both arms have good blood vessels, the arm you use least is chosen (i.e., if you are right handed, it will be inserted in the left arm);
- are done as day or overnight procedures in hospital; and
- take 2 – 6 weeks before they can be used for hemodialysis (swelling must be down).



## What Do I Need to Do After the Surgery?

1. **Watch for swelling.** Your arm could swell after the operation. If this happens, try to keep your arm straight and raised on a pillow, even when sleeping.
2. **Monitor your discomfort level.** If your discomfort is mild to moderate, take the pain medication your doctor suggested. If this does not work, tell your doctor or nurse.
3. **Keep moving your fingers.** Your fingers on your graft arm should be the same colour and temperature as the fingers on your other hand. You may have some numbness, coolness and discomfort in the beginning, but this should improve over time. **Severe numbness or pain is not normal.**
4. **Take care of your bandage.** After surgery, keep your bandage clean and dry. A tub bath is the best way to wash because it is easier to sponge off while keeping your bandage dry. Ask your surgeon or nurse about how to care for your bandage. Some prefer the bandage to be changed regularly (usually every two days) and others prefer it be changed only when it gets wet. If the wound is dry and healing, take the bandage off but keep the area clean and dry. Ask your surgeon or nurse about bathing or showering when you no longer have a bandage.
5. **Take care of your stitches.** Ask your surgeon if he/she used self-dissolving stitches, regular stitches or clips. If regular stitches or clips were used, ask when they will be removed. When the stitches are removed, wash the graft area every day with mild soap and water. If self-dissolving stitches were used, wait until the wound is fully healed before washing your arm.
6. **Attend your follow-up appointments.** You will be booked for follow-up appointments – usually about two and

six weeks after the graft was created. Appointments may be at your doctor's office, kidney clinic, dialysis unit or vascular access clinic.

7. **Check your Graft.** You will be taught to check if your graft is working by feeling for a buzzing sensation called a "thrill." It's a good habit to check for the thrill every morning and every evening.

## How Do I Keep My Graft Healthy?

- Check for the thrill everyday, or even several times a day.
- Think about anything you wear that could put pressure on your graft and **AVOID** it! Constant pressure (even slight) can slow the blood flow. You may want to wear your watch on the other arm, not button cuffs, and not put straps from bags or purses over the shoulder of your graft arm.
- It's important to stay active, but contact sports may not be a good idea. Hard hits to your graft will damage it. Golf may be a better choice than volleyball.
- Think about the position you fall asleep and wake up in. Is there pressure on your graft arm? It can be hard to change sleeping positions, but try falling asleep on your back with your graft arm raised up on a pillow.
- Save your graft arm for dialysis and let others know this. **Do NOT** take blood pressure on this arm. **Do NOT** have blood work taken from this arm or have an intravenous started in this arm. It is OK to tell other health care workers this, as not everyone will know what a graft is.
- Wear a Medical Alert bracelet or carry a card in your wallet to let health care workers know that you have a graft. *Ensure your bracelet or card includes where your graft is located.*

**What Do I Need to Do Before a Dialysis Treatment?**

- Wash your hands and your graft with warm water and antibacterial soap.
- If using the “rope ladder” technique (i.e., a different part of your graft is needled each time) ask your nurses to rotate where needles are inserted. Some patients prefer to insert the needles themselves.

**What Do I need to Do After a Dialysis Treatment?**

- Learn to hold your own needle sites using gentle pressure for 10 – 15 minutes. Press at the needle spot and just above.
- Wear gloves when holding your sites.
- When the bleeding stops, tape the gauze in place, but avoid wrapping the tape all around your arm.
- Take the gauze off 4 – 6 hours after your dialysis treatment.
- You can expect scabs to form where the needles were inserted. Avoid scratching or picking the scabs.
- If your graft starts to bleed and it is after you leave the dialysis unit, apply gentle pressure for 10 minutes using a clean towel or gauze. **If the bleeding does not stop, keep applying pressure and go to the Emergency Department.** Let your hemodialysis team know as well. It is a good idea to carry gauze with you.

**When Should I Call My Kidney Doctor (Nephrologist) or Dialysis Unit?**

- You can’t feel the “thrill” or if it feels different than usual.
- There is any redness, warmth or pain in your graft arm.
- There is any oozing or drainage from your graft.
- You have noticeable swelling or itching in your graft arm.

- You have difficulty moving the fingers in your graft arm.
- You are feverish, and have any of the above symptoms.

**Important Phone Numbers**

Kidney Doctor \_\_\_\_\_

Vascular Surgeon \_\_\_\_\_

Dialysis Unit \_\_\_\_\_

Kidney Clinic \_\_\_\_\_

Vascular Access Clinic \_\_\_\_\_

The information in this pamphlet is provided for educational and information purposes, and to support discussion with your health care team about your medical condition and treatment. It does not constitute medical advice and should not substitute advice given by your physician or other qualified health care professional.

This brochure can be downloaded from the BC Renal Agency website: [www.bcrenalagency.ca](http://www.bcrenalagency.ca)

