

# Going Home with Intravenous Antibiotics

## Giving Your Medication by CADD Legacy and IVAD

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Information for adults starting the Home IV Program at  
Nanaimo Regional General Hospital

Your Name: \_\_\_\_\_

## **Introduction**

This booklet is for people who are starting the Home Intravenous (IV) Program at Nanaimo Regional General Hospital. This program gives people the opportunity to stay at home and enjoy their normal activities while still getting the medical treatment they need.

Knowing what to expect will help you be more involved in your care and better prepare you to get your antibiotics at home.

**The information in this handout is intended only for the person it was given to by the health care team. It does not replace the advice or directions given to you by your doctor.**

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## Contact Phone Numbers

Your Family Doctor: \_\_\_\_\_

Specialist Doctor: Dr David Forrest / Dr Alastair Teale 250-755-6233 / Other: \_\_\_\_\_

<p><b>Home Care Nursing:</b> Available 7 days per week from 8:00 a.m.-9:00 p.m. Nanaimo: (250) 755-6229 Parksville/Qualicum: (250) 951-9500 Ladysmith: (250) 739-5779</p> <p><b>Home IV Nurse</b> 250-755-7691 ext 53596 M-F (except holidays) 9:00-5:00</p> <p><b>Home IV Pharmacist:</b> 250-755-7691 ext: 52308</p> <p><b>NRGH Medical Daycare:</b> 250-716-7795 (between 8:00 a.m- 4:00 p.m.) 250-755-7691 ext 53598 (between 4:00-7:30 p.m.) Available 7 days a week from 8:00 a.m.-7:30 p.m. Statutory holidays: 9:00 a.m.-1:00 p.m</p> <p><b>Oceanside Health Centre:</b> 250-951-9550 (7:30 a.m. – 6:30 p.m.)</p> <p><b>Ladysmith Health Centre Medical Daycare:</b> 250-739-5788 ext 54828 (8:00 a.m. – 4:00 p.m.)</p>	<p>Call Home Care Nurse for concerns about:</p> <ul style="list-style-type: none"><li>• Your PICC line</li><li>• The dressing on your PICC line</li><li>• Beeping CADD pump</li></ul> <p>Call Medical Daycare for concerns about:</p> <ul style="list-style-type: none"><li>• Your medication bags</li><li>• Needing more supplies</li><li>• Non functioning PICC lines</li><li>• Non functioning CADD pump</li></ul> <p>Call your doctor for:</p> <ul style="list-style-type: none"><li>• Changes in your medical condition or infection</li><li>• Questions about your infection</li></ul>
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### B.C. Nurse Hotline 24 hours/day 8-1-1

If you have a situation that requires emergency assistance, call 9-1-1

My Antibiotic is: \_\_\_\_\_ X \_\_\_\_\_ weeks

Weekly Blood Test: \_\_\_\_\_

Medication & Supply Pick-up: \_\_\_\_\_ after 11:00 at

Medical Daycare / Oceanside Health Centre / Other \_\_\_\_\_

## Appointments

Date & Time	With Who?	Questions I have

## The Home IV Program Care Team

**You and your family:** You are an essential member of your Care Team. Please keep us up to date about changes in your healthcare and other symptoms

**Physician:** There may be several doctors involved in your care—your family doctor, and an infectious diseases doctor and/or other specialist. The Home IV nurse will work with the relevant physicians involved.

**Pharmacy team:** A Pharmacist will plan your medication schedule and organize your medications to take home. The pharmacist follows your progress and makes medication changes to best treat your infection. They will call you weekly.

**Medical Daycare Nurse/Home IV Nurse:** will visit you at the hospital to explain the program and teach you and/or your support person how to give your medication, how to use the special devices (bags, tubing, and special pump, as needed) and how to care for your IVAD. You will have to attend your local MDC 1-2 times weekly for IVAD access change and dressing change.

**Community Care Nurse:** The community care nurse will assist you with wound care if needed. IVAD care falls outside their practice at this time. The Medical Daycare and Home IV nurse will be your resource for all IVAD concerns/care.

## **Aseptic Technique**

The basic principles of **Aseptic Technique** are based on keeping everything as clean as possible. It is important to keep all your supplies and medication germ free to help prevent germs from getting into your body.

### **Work in a clean and well lit environment**

- Choose a clean work area. This area should not have dust, a draft or traffic. Try to avoid coughing, sneezing or smoking.
- Store your supplies in a clean area, away from children and pets.
- Always throw away supplies that you know or think may no longer be clean.
- Before you open any sterile packages, make sure the seals on the package are firmly closed. Any paper package should be dry, do not use any supplies from wet packages.

## The most important part of aseptic technique is washing your hands

If someone is helping you with your treatment, they should wash their hands too. Wash your hands before working with your equipment or supplies or anytime you touch your PICC line.

1. Have some paper towel ready to use before you start.
2. Turn on warm water.
3. Rinse your hands with water and add soap. Liquid soap is best, as bar soap can grow germs.
4. Vigorously rub hands together to create lather. Make sure to reach all areas of your hands (front, back and between fingers and your nails).
5. Rinse soap from your hands.
6. Dry your hands with the paper towel.
7. Turn off water faucet with the paper towel.

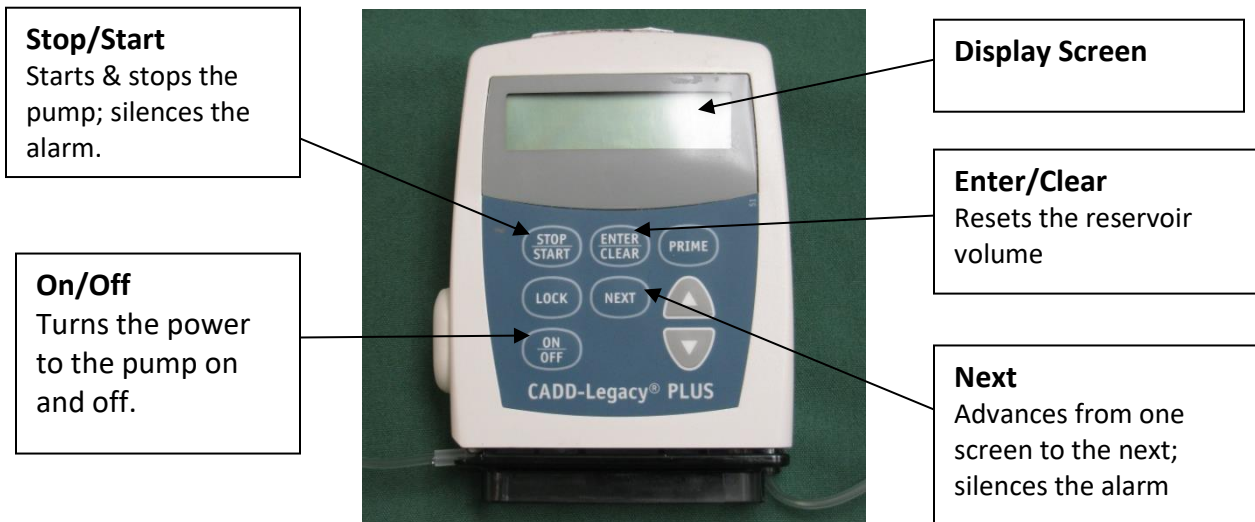


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## CADD PUMP INFORMATION

The CADD pump is a small portable computerized device used to give intravenous (IV) medications. The pump will be programmed according to the prescription written by your doctor. You will wear the pump in a fanny pack style bag to keep it close you. The Home IV nurse will teach you how to use your pump. It is important to only perform those procedures you have been taught. The following information is given to assist you with learning and act as a reference once you are at home. When you are finished your antibiotic treatment, you are responsible to return the pump to the Home IV nurse.



### The Display Screen:

When the pump is operating the display screen will show the word "RUN" in the top left area above the word "ResVol". There will be a number in the lower right corner that shows the amount of fluid left in the medication bag.

\*When the pump is not running, the display screen will show the word "STOPPED".

### **How to start your pump:**

1. Press and hold the “Stop/Start” key until the 3 sets of dashes disappear and one single beep is heard.
2. Release the key. The pump will automatically review the program and the “RUN” and “ResVol” will appear on the screen.

### **How to stop your pump:**

1. Press and hold the “Stop/Start” key until 3 sets of dashes appear on the display screen and a single beep is heard.
2. Release the key. “Stopped” will appear on the screen.

### **Changing Batteries**

The pump requires 2 AA alkaline batteries, which are included in your supplies. The Home Care nurse will change the batteries for you. However, it is best to be prepared in case you need to change the batteries. When the batteries need changed, the pump display screen will show “LowBat” or “Battery Depleted” and an alarm will sound.

1. Stop the pump. (press & hold the “**Stop/Start**” key. When you see 3 dashes, release the key).
2. Turn over the pump and push down and hold the arrow button on the battery door while sliding the door off.
3. Remove the old batteries. Pull on yellow battery strap to make it easier.
4. Match the + & - marking on the new batteries with the markings inside the battery compartment.
5. If the batteries are in place correctly, the pump will beep.
6. Replace the battery door cover.
7. The pump will automatically turn on and the display screen will show all the settings.
8. The pump will go through a power-up sequence and then beep 6 times.
9. Restart your pump. (Press & hold the “**Stop/Start**” key until the 3 sets of dashes disappear).

**Possible Problems and Solutions**

Possible Problems	Signs	How to prevent problems	What to do
<b>INFECTION</b>	Fever, chills, Temperature above 38 °c Flu like symptoms Redness, swelling, Drainage from IVAD site	Wash hands before doing any I.V. care. Follow aseptic technique. Have IVAD dressing changed if wet or coming off	Phone your Doctor or go to the emergency room
<b>VENOUS THROMBOSIS</b> <i>(a clot forms in the vein)</i>	Swelling in the arm, neck and face on the side of your IVAD Distended arm, chest or neck veins on the side of the IVAD Pain in the armpit Arm or hand on the IVAD side looks bluish or dusky	Be sure to drink enough fluids Use the arm on your IVAD side normally.	If you notice any changes in your IVAD site or chest, call Home Care or Medical Daycare or the support clinic in Parksvillie for guidance. Phone your doctor or go to the emergency room <i>(blood thinners or other treatments may be ordered)</i>
<b>AIR EMBOLISM</b> <i>(This is extremely rare with)</i>	Shortness of breath, chest pain, light-headedness, and fast heart beat <i>A large amount of air has been rapidly infused into your IVAD</i>	Do not use scissors near your line.  Check medication bags for large amounts of air.	<b>This is an emergency: lie down on your LEFT side with your feet elevated</b> <b><u>CALL 911</u></b>
<b>BLOCKED IVAD</b>	Nurses are unable to flush the IVAD using normal pressure	Check for kinks in the Huber tubing under the dressing Use Heparin if you have in the past. Attempt to change your position, rotate your arm, turn your head and cough.	If you cannot find the blockage, call you local Medical Daycare to arrange an appointment to have it checked This should be done as soon as possible

<p><b>Failure of tubing/port inside your veins</b></p>	<p>Swelling or redness around port or chest Pain or burning in chest, neck or shoulder during or after infusion</p>	<p>Ensure dressing stays in place</p>	<p>Stop infusion Call Medical daycare, Support clinic, or Home Care for guidance</p>
<p><b>Your medication bag is leaking or has a large amount of air in it.</b></p>	<p>Hole in medication bag</p>	<p>When changing medication bags, make sure you do not touch the sidewalls of the bag with the IV spike.  Check your medication bags before you use them.</p>	<p>Stop your pump and change medication bag.  Call the Home IV nurse to arrange for another medication bag to be made.</p>
<p><b>CADD dropped in water or on a hard surface.</b></p>			<p>Quickly retrieve the CADD and towel off the pump if wet.  Call the Home IV or Medical Daycare nurse</p>
<p><b>CADD pump alarming downstream occlusion.</b></p>	<p>Blocked IVAD line or a kink in the tubing or clamp shut</p>	<p>The nurse will flush your line to prevent blocking</p>	<p>i) Change your body position, move your arms, cough, deep breathe  ii) Check for any kinks in the tubing between you and the pump.  iii) Check all clamps  iv) <u>Daytime</u>: call the Medical daycare nurse. <u>Nighttime</u>: <i>turn off pump</i> and call us in the a.m.</p>

## Changing Your Medication Bag using the Legacy CADD pump

You will need to change the medication bag to make sure you have enough medication. The bag will need changed about the same time every day.

1. Wash your hands
2. Clean your work area
3. ***Check your new medication bag***: Right name, Right drug, Expiry date ok, Fluid clear and colourless, Less than a pea-sized amount of air in 'bunny ears'
4. Stop pump (hold down **"STOP/START"** button until three lines appear) -----
5. Take blue rubber plug off new IV bag
6. Remove spike from old IV bag (twist and pull)
7. Insert spike into new IV bag (push and twist inwards)
8. Press **"NEXT"** button
9. Press **"ENTER/CLEAR"** button
10. Restart pump (hold down **"STOP/START"** button until three lines disappear).
11. Should read **"RUN"** in left corner and new Res/Volume will appear.