

Going Home with Intravenous Antibiotics

Giving Your Medication by CADD Solis and IVAD

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>Home Care Nursing: 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>Home IV Nurse 250-755-7691 ext 53596 M-F (except holidays) 9:00-5:00</p> <p>Home IV Pharmacist: 250-755-7691 ext: 52308</p> <p>NRGH Medical Daycare: 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>Oceanside Health Centre: 250-951-9550 (7:30 a.m. – 6:30 p.m.)</p> <p>Ladysmith Health Centre Medical Daycare: 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">• Your PICC line• The dressing on your PICC line• Beeping CADD pump <p>Call Medical Daycare for concerns about:</p> <ul style="list-style-type: none">• Your medication bags• Needing more supplies• Non functioning PICC lines• Non functioning CADD pump <p>Call your doctor for:</p> <ul style="list-style-type: none">• Changes in your medical condition or infection• Questions about your infection
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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.

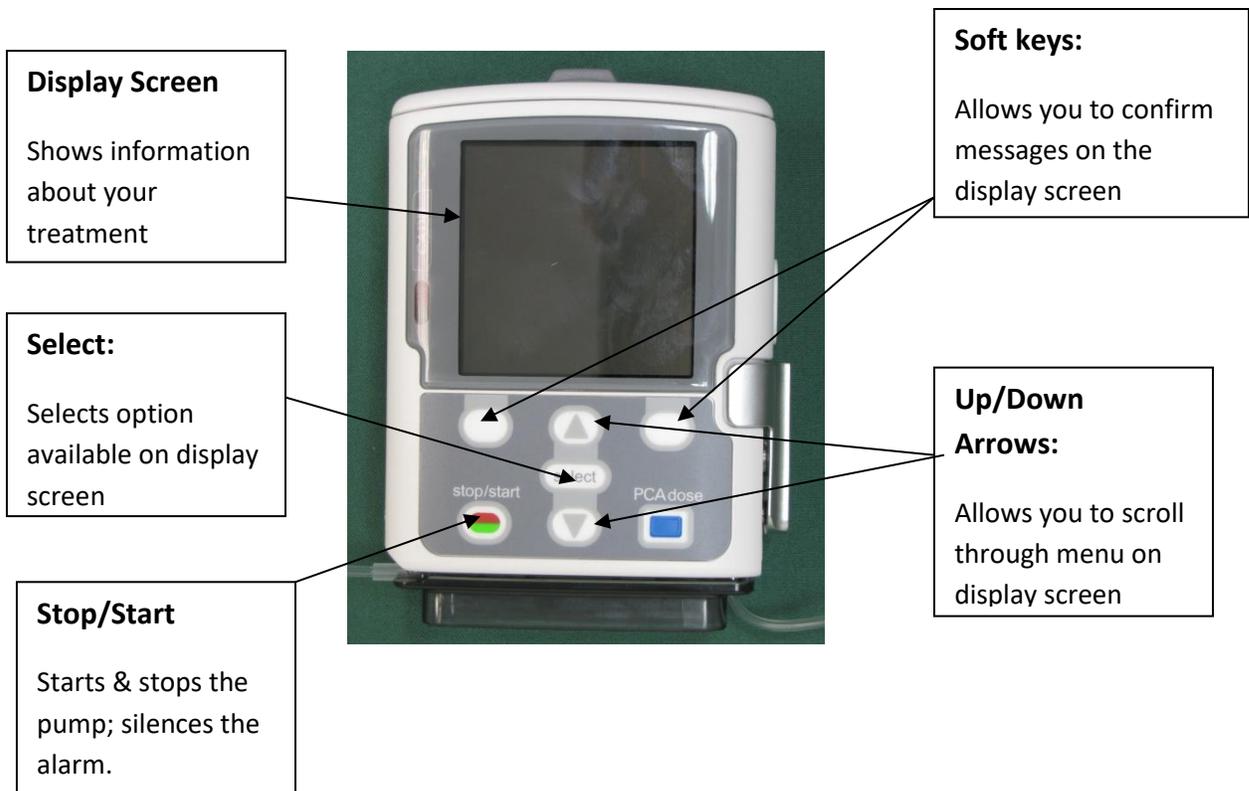
1. Have some paper towel ready to use before you start.
2. Turn on warm water.
3. Rinse your hands with water and add soap. Liquid soap is best, as bar soap can grow germs.
4. Vigorously rub hands together to create lather. Make sure to reach all areas of your hands (front, back and between fingers and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



The Display Screen:

When the pump is operating, the display screen will show the word “running” in the upper right hand corner. There will be a number in the upper left hand corner, this is the amount of medication left in the medication bag.

*When the pump is not running, the upper right corner will show the word “STOPPED”.

How to start your pump:

1. The word Continuous and a red bar appears on the screen.
2. Press the stop/start key
3. When “Start Pump?” appears, select Yes
4. The screen will turn green and the word “Running” appears in the upper right corner of the display screen.

How to stop your pump:

1. Press the stop/start key
2. When “Stop Pump?” appears, select Yes
3. The screen will turn red and the word “Stopped” appears in the right upper corner of the display screen.

How to turn off your pump:

1. Press and hold the power switch, located on the right hand side of the pump.
2. When the “power down?” appears on the display screen,
3. Press Yes

How to turn on your pump:

1. Press and hold the power switch,
2. When lights appear on the display screen release the button
3. The pumps will go through a series of self checks and beep 6 times

Changing Batteries

The pump requires 4 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 “Battery Low” or “Battery Depleted” and an alarm will sound.

1. Stop your pump using the steps listed above.
2. Turn the power off to your pump using the steps listed above.
3. Using your fingers or a coin, turn the knob on the battery door counterclockwise to open the battery door.
4. Hold the pump at an angle to remove the old batteries and insert 4 new AA batteries.
5. Match the + and – markings on the batteries with the markings on the pump.
6. Close the battery door and turn clockwise to lock.
7. Turn on the pump using the button the right side of the pump.
8. Start your pump using the steps listed above

Possible Problems and Solutions

Possible Problems	Signs	How to prevent problems	What to do
INFECTION	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
VENOUS THROMBOSIS <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 your local Medical Daycare for guidance. Phone your doctor or go to the emergency room <i>(blood thinners or other treatments may be ordered)</i>
AIR EMBOLISM <i>(This is extremely rare)</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.	This is an emergency: lie down on your LEFT side with your feet elevated <u>CALL 911</u>
BLOCKED IVAD	CADD pump alarms "Downstream Occlusion". Nurses are unable to flush the IVAD using normal pressure or your pump alarms with downstream occlusion.	Check for kinks in the Huber tubing under the dressing or kinks in the pump tubing. Attempt to change your position, rotate your arm, turn your head and cough.	If you cannot find the blockage, call Medical Daycare in your area to arrange an appointment to have it checked. This should be done as soon as possible

<p>Failure of tubing/port inside your veins</p>	<p>Swelling or redness around port or chest Pain or burning in chest, neck or shoulder during or after infusion</p>	<p>Flush IVAD as directed during maintenance. Use Heparin as you usually would Positive pressure clamping with flushing</p>	<p>Stop infusion Call Medical daycare in your area for guidance</p>
<p>Your medication bag is leaking or has a large amount of air in it.</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>CADD dropped in water or on a hard surface.</p>			<p>Quickly retrieve the CADD and towel off the pump if wet. Call the Home IV or Medical Daycare nurse</p>
<p>CADD pump alarming downstream occlusion.</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) Call the Home Care nurse or Clinic nurse. During nighttime <i>turn off pump</i> and call us in the a.m.</p>

Changing Your Medication Bag using the Solis 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. There are two parts to changing the bag.

Part one: The bag change

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. Sit in a clean & well lit area.
5. Stop your pump by pressing the "Stop/Start" key
6. When "stop pump?" appears, press yes.
7. Take blue rubber plug off new IV bag
8. Remove spike from old IV bag (twist and pull)
9. Insert spike into new IV bag (push and twist inwards)

Part two: Resetting your pump

1. Press white soft key below the word "Tasks" on the pump
2. "Reset Reservoir Volume" will automatically be highlighted
3. Press the centre "Select" button
4. The screen will display "Reset reservoir volume to ___ ml?"
5. Select "Yes" using the white soft key
6. Start pump, by pressing "Start/Stop" key and confirming "Yes" with white soft key