

Information for
patients & families

Your CADD-SOLIS pump for cancer treatment

A guide for patients



Treatment - Systemic

Contact Information

My Emergency Contact Number(s):

Table of Contents

Contact Information	2
Introduction.....	3
Your CVAD and CADD-Solis Pump.....	3
Before Leaving the Hospital or Cancer Centre	4
At Home	5
Emergency Kit	6
Emergency Care for Your CVAD	6
Caring for Your CADD Pump	8
Troubleshooting Alarms.....	11

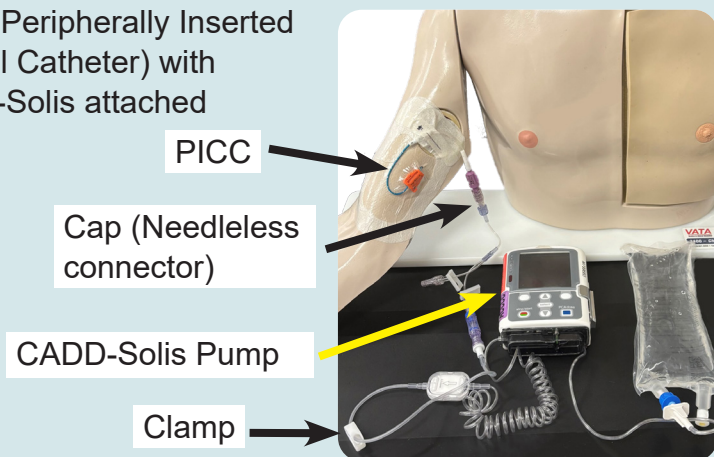
Introduction

Your doctor has prescribed cancer medication that you will get at home using a CADD-Solis infusion pump. This pump gives medication into a vein at a slow, controlled rate.

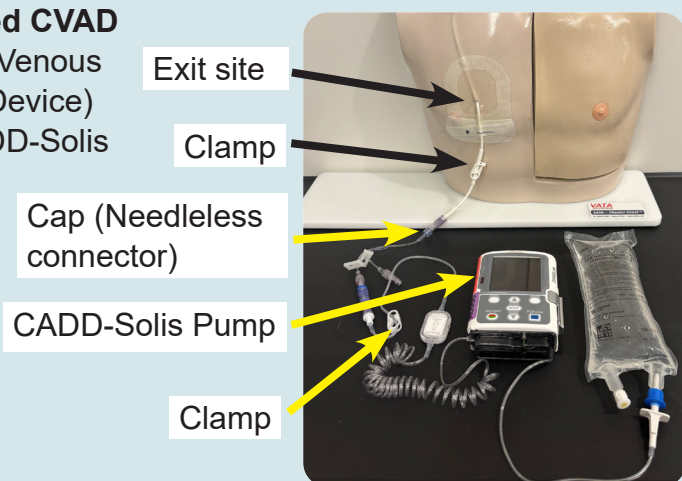
This booklet will help you understand how to use and care for your pump safely.

Your CVAD and CADD-Solis Pump

PICC (Peripherally Inserted Central Catheter) with CADD-Solis attached



Tunnelled CVAD (Central Venous Access Device) with CADD-Solis attached



Before Leaving the Hospital or Cancer Centre

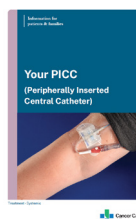
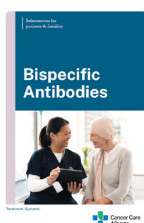
It's important that you have all of the supplies and information you need. Review the medication schedule and side effects with your nurse.

Check that you have:

- ☒ Emergency contact numbers
- ☒ A digital home thermometer
- ☒ A CVAD (Central Venous Access Device) Emergency Kit – and that you know how to use it
- ☒ An emergency Spill Kit
- ☒ Extra masks
- ☒ Printed information or link to 'Safety When You're Taking a Known Hazard Medication'
[\(\[bit.ly/safehazardmed\]\(http://bit.ly/safehazardmed\)\)](http://bit.ly/safehazardmed).

Your nurse might also give you:

- ☒ Bispecific Antibodies booklet
- ☒ Systemic Treatment: Chemotherapy and Targeted Therapy book
- ☒ Booklets about caring for your type of CVAD



At Home

Check your temperature at home

Check your temperature **every 4 hours**, even throughout the night. If your temperature is:

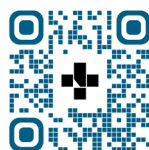
38 °C or higher

- Call the number on your emergency contact card (or on page 2) **right away**.
- Prepare to come to the hospital or cancer centre.
- **Do not** take acetaminophen (like Tylenol®), ibuprofen (like Advil®, Motrin® or Aleve®), or Aspirin®/ASA unless your doctor tells you it's okay.

Manage side effects from the cancer treatment

Follow the instructions you were given. Find general side effects information in your Bispecific Antibodies booklet or Systemic Treatment: Chemotherapy, Targeted Therapy, Hormone Therapy book.

For more side effect management visit: ahs.ca/CancerTreatment and click on Managing Side Effects or scan the QR code.



Take hazardous medicine safely



If the cancer medication is considered hazardous, follow the instructions you were given. Visit bit.ly/safehazardmed or scan the QR code using your smartphone camera.

Emergency Kit

Keep your CVAD emergency kit close by and know what's inside it and how to use it.

Your CVAD emergency kit includes:

- 4x4 gauze packages. Use these to cover a hole or tear in the CVAD line.
- Large plastic dressing (like Tegaderm®). Use this to cover the exit site if the CVAD line comes out, or to tape a gauze to cover the CVAD line.
- Plastic clamp. Use this to pinch shut the CVAD line if the line has a hole or tear.
- Cap (needleless connector). Use this to replace a lost cap.

Emergency Care for Your CVAD



Call 911 right away if you are:

- Short of breath
- Light-headed
- Or have chest pain

If a cap (needleless connector) falls off the line

1. If you have clamps, make sure they are closed.
2. Put a new cap (needleless connector) on right away.
3. Call your emergency contact number **right away** (contact card or written on page 2).

If your CVAD has a hole, cut or tears

If you have a PICC:

1. Fold it over between the damaged area and where it goes into your skin.
2. Tape it to your skin and cover it with the dressing from your CVAD emergency kit.
3. Call your emergency contact number **right away** (contact card or written on page 2).

If you have a tunnelled CVAD:

1. Put the plastic clamp over the line, on your CVAD as close to the skin as possible, right away.
2. Place a gauze over the damaged area and cover with the dressing from your CVAD Emergency Kit.
3. Call your emergency contact number **right away** (contact card or written on page 2).

If your CVAD comes out

1. Place a gauze over the site right away.
2. Put pressure on the site for at least 10 minutes until the bleeding stops.
3. Cover the gauze with the dressing from your CVAD emergency kit.
4. **This is a medical emergency. Call 911 or go to your nearest Emergency Department right away.**

If your CVAD site starts leaking, swelling, or hurting

1. Take the battery out of the pump to stop the pump.
2. Clamp both the CVAD and the IV tubing.
3. Call your emergency contact number **right away** (contact card or written on page 2).

Caring for Your CADD Pump

Be sure to:

- Keep it out of reach of pets and children
- Always carry your Spill Kit with you
- Keep the pump dry
- Keep the pump at waist level
- Keep the pump in its carry bag and where it will not fall out



How do I make sure the pump is working properly?

- Check your pump 2 to 3 times a day to ensure it is working properly.
- A green light blinks every 3 seconds when the pump is working (running) and delivering medication.
- The status bar on top of the display screen is green and shows the word “Running.”



Amber means there is an issue which you might want to be aware of



Red means that the pump has stopped and immediate attention is required



Troubleshooting

If green and amber lights are flashing:

- The pump is running but needs your attention soon (for example, the battery may be low).

If the screen display is blank:

- The pump is conserving battery power. Press any white key to turn on the display.



Do not disconnect any lines from the pump.

Wear loose clothing so you can 'thread' the pump and tubing through your sleeve.



What if the pump alarm is beeping?

- Read the screen display to find out what the error is.
- Check the Troubleshooting Alarms section (page 11) and follow the directions that match what is displayed on the pump screen.
- If you can't fix the problem, call your emergency contact number (contact card or written on page 2).



What will happen if I accidentally touch the keyboard of the pump?

Do not worry. The pump is locked and has been set so you can't change the amount of medication you get.



How do I sleep with the pump?

- Keep the pump at waist level.
- Keep the pump and carry bag next to you on the bed, bedside table, or hang it on the headboard.
- **Keep the pump OFF the floor.**



What if the pump leaks or breaks?

You will get a spill kit with instructions in case your pump leaks or breaks. Your nurse will go through these instructions with you. Be sure to carry your spill kit with you at all times.



What if the medication comes in contact with my skin, clothes or other surfaces?

Medicine leaked on or in:	What you can do:
Your eyes	<ul style="list-style-type: none">• Keeping your eyes open, rinse your eyes under running water for at least 10 to 15 minutes.• Get medical attention right away.
Your skin	<ul style="list-style-type: none">• Wash the area with soap and running water for at least 10 to 15 minutes.• Tell your healthcare team as soon as possible.
Your clothes or linens	<ul style="list-style-type: none">• Wash them separately from other clothes and linens.• Wash through 2 complete washing machine cycles before you wear or use them again.
Surfaces (like floors and tables)	<ul style="list-style-type: none">• Follow the Spill Kit instructions to clean the surfaces.
Paper materials (like Kleenex, books, magazines)	<ul style="list-style-type: none">• If you spill medicine on paper items that you cannot clean, add them to the spill kit and return them to your cancer centre or hospital for disposal.

Find more information online:

Visit bit.ly/safehazardmed or scan the QR code.





What should I do with the pump when I shower or if I drop it in water?

Place the pump outside the bathtub or shower. It is water-resistant, but it is not waterproof.

If you drop the pump in water:

- Quickly pick it up and dry it off with a towel.
- Check to see if it is still running.
- If it is not working or you are concerned, call your emergency contact number (contact card or written on page 2).

Troubleshooting Alarms

This next section will help you troubleshoot alarms. If, at any time, you are worried about how your pump is working, call your emergency contact number (contact card or written on page 2).

Parts of the pump:

Indicator lights:

Amber (Orange)

Green

Display screen

Power button
(on the side)

Stop/Start
button



Screen Display	What to Do
<p>Battery Low (3 beeps every 5 minutes) Batteries are low but pump still working.</p> <p>OR</p> <p>Battery Depleted (continuous, variable tone alarm) Battery power is too low to operate the pump.</p>	<ol style="list-style-type: none"> 1. Press Stop/Start → Stop Pump? → Choose Yes. 2. Open the battery compartment at the top of the pump and replace the 4 AA batteries. 3. Press the power button to turn the pump back on. 4. Press Stop/Start → Start Pump? → Choose Yes.
<p>Screen is blank and alarm is sounding Batteries were taken out or the battery door was opened</p>	<ol style="list-style-type: none"> 1. Make sure the batteries are in place and the battery compartment is closed. 2. Press the power button to turn the pump back on. 3. Screen displays Loss of power → choose Acknowledge. 4. Press Stop/Start → Start Pump? → Choose Yes.
<p>Press Start to Infuse Pump has been stopped for 3 minutes</p>	<ol style="list-style-type: none"> 1. Press Silence. 2. Press Stop/Start → Stop Pump? → Choose Yes.

<p>Downstream Occlusion (2 toned alarm)</p> <p>Blockage between the pump and you (your IV site)</p>	<ol style="list-style-type: none"> 1. Press Silence. 2. Check the line: make sure the CVAD isn't clamped and the tubing isn't kinked. <p>If the blockage is gone, the alarm will stop and the program will continue.</p> <p>If the alarm doesn't stop:</p> <ol style="list-style-type: none"> 3. Choose Help. 4. Continue through the help screens by choosing Next. <p>Note: Do not remove any caps (needleless connectors) if it tells you to. If the blockage is gone, the alarm will stop and the program will continue.</p> <ol style="list-style-type: none"> 5. If the problem continues, stop the pump and call your emergency contact number (contact card or written on page 2).
<p>System Fault Alarm</p> <p>Possible software or hardware fault</p>	<ol style="list-style-type: none"> 1. Open the battery compartment. 2. Close the battery compartment. 3. Press the power button to turn the pump back on. 4. If the problem continues record the error code and call your emergency contact number (contact card or written on page 2).

<p>Upstream Occlusion (2 toned alarm)</p> <p>Blockage between the IV bag and pump</p>	<ol style="list-style-type: none"> 1. Press Silence. 2. Check the line: make sure the CVAD isn't clamped and the tubing isn't kinked or bent. 3. Make sure the spike is fully inserted into the medication bag. 4. Re-position the bag in the pouch. <p>If the blockage is gone, the alarm will stop and the program will continue.</p> <p>If the alarm doesn't stop:</p> <ol style="list-style-type: none"> 5. Choose Help. 6. Continue through the help screens by choosing Next. 7. If the problem continues, stop the pump and call your emergency contact number (contact card or written on page 2). <p>Note: You must acknowledge this alarm before you work through the Help screen if it happens more than 3 times in 15 minutes.</p>
<p>Can't Start Pump without a Latched Cassette</p> <p>Cassette is not closed properly</p>	<ol style="list-style-type: none"> 1. Press Silence. 2. Press Help and follow the prompts. 3. If the problem continues call your emergency contact number (contact card or written on page 2).

All images © 123rf.com unless otherwise indicated.

©2025 Cancer Care Alberta, Applied Research & Patient Experience



This work is licensed under a Creative Commons Attribution Non-commercial-Share Alike 4.0 International license. To view a copy of this licence, see <https://creativecommons.org/licenses/by-nc-sa/4.0/>. You are free to copy, distribute and adapt the work for non-commercial purposes, as long as you attribute the work to Cancer Care Alberta and abide by the other licence terms. If you alter, transform, or build upon this work, you may distribute the resulting work only under the same, similar, or compatible licence. The licence does not apply to Cancer Care Alberta trademarks, logos or content for which Cancer Care Alberta is not the copyright owner.

This material is intended for general information only and is provided on an “as is”, “where is” basis. Although reasonable efforts were made to confirm the accuracy of the information, Cancer Care Alberta does not make any representation or warranty, express, implied or statutory, as to the accuracy, reliability, completeness, applicability or fitness for a particular purpose of such information. This material is not a substitute for the advice of a qualified health professional. Cancer Care Alberta expressly disclaims all liability for the use of these materials, and for any claims, actions, demands or suits arising from such use.

The information is to be updated every 3 years, or as new clinical evidence emerges. If there are any concerns or updates with this information, please email cancer.patiented@ahs.ca.

Important things to remember:



Your CADD Solis pump helps give you cancer treatment safely



Always carry your Spill Kit



Know how and when to get help if you have trouble with your CADD Solis pump

For other Cancer Care Alberta resources, visit

cancercarealberta.ca



Treatment | Systemic | CADD-SOLIS | 2025-06 | CPE-B0123