

# CADD-SOLIS VIP PUMP USER GUIDE

Home intravenous antibiotic therapy



Guide for patients and their families

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## HOME INTRAVENOUS ANTIBIOTIC THERAPY

Your physician has prescribed an intravenous antibiotic therapy to treat an infection.

Following are the instructions concerning the administration of your antibiotics.

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## WHAT IS THE AMBULATORY INFUSION PUMP (CADD@-SOLIS VIP) METHOD?

- This method allows your medication to be automatically delivered into your body via the infusion pump at the times programmed by the physician.
- The medication is prepared in a bag with IV tubing. This tubing remains attached to your venous access device at all times.
- The pump will administer a small amount of medication to your body on a 24 hour basis to prevent your venous access device from blocking.

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## PRECAUTIONS TO TAKE WHEN USING THE CADD-SOLIS VIP PUMP

- Always keep the pump in the bag that was provided by nursing staff.
- Always sleep with the pump in your bed; do not place it on the bedside table.
- Do not immerse the pump in water.

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## OTHER PRECAUTIONS

- Do not wet your bandage (no immersion in water). Cover your venous access device with plastic wrap when bathing or showering and make sure it is watertight.
- Avoid contact sports and repetitive movements (e.g. tennis). These activities may move or damage your venous access device. Avoid manual work that requires a high level of physical exertion.
- For children: Avoid physical education classes. Elementary school children must stay with the supervisor during recess or remain indoors. Avoid any activity with a significant risk of falls (e.g. skateboarding, sledding/tubing, play fighting). These activities may move or damage the venous access device.

- Avoid exposing the pumps and tubing to extreme cold (temperature of 15 ° C or less) or intense sunlight for an extended period of time. When spending time outdoors in winter, wear the pumps under your coat.

## **COST OF ANTIBIOTICS**

The cost for the antibiotics may be reimbursed in part or in full by your private insurance or the Régime de l'assurance maladie du Québec, just like any other medication. For more information, contact your insurance company.

## **INSTALLING THE PUMPS IN THE TRAVEL POUCH**

The travel pouch is used to carry the pumps, bags or cassettes and tubing and makes it easy for you to move around freely. The pouch is worn over the shoulder or around the waist. It is important to place the IV antibiotic bags and pumps correctly to ensure that the fluid can flow easily into the tubing. Care must be taken when placing the tubing inside the travel pouch so as not to pinch or kink the tubing (this would slow or stop the flow of fluid).



## VENOUS ACCESS MONITORING AND CARE

Antibiotic therapy requires the installation of a central or peripheral venous access device, which requires special care and maintenance to ensure its proper functioning.

PERIPHERAL VENOUS ACCESS AND CENTRAL VENOUS ACCESS	
Monitor	What to do
The presence of redness, heat pain or swelling. Blood return in tubing, leaking at infusion site, etc.	Remove the battery from the device and immediately call the nurse.
Your temperature once a day and if it rises above 38.5° C (101° F) or you experience shivering.	Immediately call the nurse, who will then determine if consultation is necessary.
If the bandage tends to come off. If the bandage is completely coming off or if it is wet.	Secure it with adhesive tape. Immediately call the nurse.
If the venous access device is dislodged. (completely or partially).	Do not try to reinsert it into your arm. If there is bleeding, apply pressure and contact the nurse.
For central venous access only	
If you experience sudden chest pain or discomfort when breathing.	Remove the battery to stop the pump. Lie on your back or left side and call 911 immediately.

**It is important to have your catheter reinstalled so that you do not skip a dose of antibiotics, as this may undermine the treatment's effectiveness.**

## INSTALLING NEW BATTERIES

The batteries needed to operate your pump will usually be changed by your nurse during your follow-up appointments. However, the device may sound an alarm informing you that the pump's batteries need to be changed.

Power for the pump is normally supplied by 4 1.5V alkaline AA batteries. When the message "**Low battery,**" "**Depleted battery**" or "**Battery near end of use**" appears on the pump display, replace the batteries as soon as possible. The duration of the infusion varies depending on the type of treatment.

See the following page for instructions.

## CADD®-SOLIS VIP PUMP METHOD

Before changing the batteries, make sure you stop the pump by pressing the “**Stop/Start**” button.



- ▶ “Stop pump?”; press “**YES.**”



Press the power button on the side of the pump to shut off the device.

- ▶ “Shut off?”; press “**YES.**”



- ▶ Turn the knob on the battery door counterclockwise to open the battery compartment.



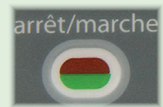
- ▶ Remove the old batteries and insert 4 new AA batteries. Make sure you match the + and – markings on the batteries with the markings on the pump.
- ▶ Close the battery compartment and turn the knob on the battery door clockwise to lock.



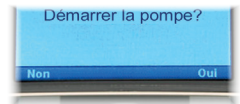
- ▶ To turn on the device, press the power button on the side of the pump.



- ▶ Press the “**Start/Stop**” button to restart the pump.



- ▶ “Start pump?” will appear on the display; press “**YES.**”



## WHAT TO DO WHEN AN ALARM SOUNDS

### ALARMS

The pump can sound multiple alarms to warn you of a situation that needs to be corrected. Before clearing the alarm, always press the “Stop/Start” button. The pump and alarm will be turned off for two minutes.

MESSAGE	DESCRIPTION	CORRECTIVE ACTION
Battery low. Replace battery.	Batteries are low, but the pump can run.	<ul style="list-style-type: none"> <li>• Replace batteries as soon as possible.</li> <li>• Restart pump.</li> </ul>
Battery depleted. Pump does not work. Battery depleted. Pump stopped.	Batteries are too low. The pump is stopped.	<ul style="list-style-type: none"> <li>• Replace batteries immediately.</li> <li>• Restart pump.</li> </ul>
Cannot start pump. Reservoir volume empty.	The reservoir volume is empty.	<ul style="list-style-type: none"> <li>• Press the white key (B) to clear the alarm.</li> <li>• Contact the nurse of the health and social services centre.</li> </ul>
Reservoir volume empty. Pump stopped.	The reservoir volume is empty. Delivery and the pump are stopped.	<ul style="list-style-type: none"> <li>• Press the white key (B) to clear the alarm.</li> <li>• Contact the nurse of the health and social services centre.</li> </ul>
Reservoir volume low. (Pump keeps running.)	The reservoir volume is low (less than 2 ml).	<ul style="list-style-type: none"> <li>• Press the white key (B) to clear the alarm.</li> <li>• Contact the nurse of the health and social services centre.</li> </ul>
Air in line detected. Cannot start pump.	There may be air bubbles in the tubing.	<ul style="list-style-type: none"> <li>• Press the white key (B) to clear the alarm.</li> <li>• Contact the nurse of the health and social services centre.</li> </ul>
Upstream occlusion. Remove the obstruction between the pump and bag.	The fluid cannot flow from the bag to the pump. The pump has detected high pressure, which may be caused by an occlusion between the bag and the pump. E.g. tubing kinked or bent closed.	<ul style="list-style-type: none"> <li>• Press the white key (B) to clear the alarm.</li> <li>• Remove the obstruction to resume operation. Make sure that the bag’s clamp is open. Press the white key (B) to view solutions.</li> <li>• Restart pump.</li> </ul>
Downstream occlusion. Remove the obstruction between the pump and patient.	Delivery is paused. The pump has detected high pressure, which may be caused by an occlusion between the bag and the patient. E.g. tubing kinked, closed clamp or position of the arm in which the catheter is installed.	<ul style="list-style-type: none"> <li>• Press the white key (B) to clear the alarm.</li> <li>• Remove the obstruction to resume operation. Press the white key (B) to view solutions.</li> <li>• Restart the pump. If the alarm continues, contact the nurse of the health and social services centre.</li> </ul>

Once you have taken the corrective actions, make sure that **the green indicator light is flashing**. If this is not the case, press the “Stop/Start” button.

ISBN 978-2-550-95653-2 (PDF)

Dépôt légal – Bibliothèque et Archives nationales du Québec, 2023

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# POINT OF SERVICE IN THE EVENT OF A PROBLEM

## USERS RECEIVING AMBUATORY CARE SERVICES IN THE RCM OF ABITIBI-OUEST

**From Monday to Friday, between 8 a.m. and 4 p.m.**

Contact the nurse at the the ambulatory care service in La Sarre at 819-333-2311, ext. 52545.

**Saturdays and Sundays, between 8 a.m. and 4 p.m.**

Call the nurse to the current services of La Sarre at 819 333-2311, extension 52525.

**Every day between 4 p.m. and 8 a.m.**

Call 8-1-1 or present yourself at the emergency department (triage).

## USERS RECEIVING HOME CARE IN THE RCM OF ABITIBI-OUEST

**From Monday to Friday, between 8 a.m. and 4 p.m.**

Contact the nurse assigned to you for home care at:

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**Saturdays and Sundays, between 8 a.m. and 4 p.m.**

Call 819-520-9063.

**From Sunday to Saturday and on public holidays,  
between 4 p.m. and 8 a.m.**

Call 819-520-9061.

**Centre intégré  
de santé et de services  
sociaux de l'Abitibi-  
Témiscamingue**