

IV Basic II CLASS

Our first subject is **Portacaths** also call POC.

In this class we are not going to teach access just Flush, blood draws and deaccess. Access will be taught in the Advanced IV class.

Blood draws when non-coring needle already in place.

- ✓ Wash hands and don gloves.
- ✓ Assemble your equipment close to Pt. and explain procedure to Pt.
- ✓ Prepare you saline and heparin syringes you will need 3 10cc saline and 1 heparin 100u/ml 5cc.
- ✓ Label you blood tubes.
- ✓ Clean injection port with alcohol with friction and allow to dry.
- ✓ Flush with 10cc saline and withdraw 6cc of blood and dispose of in sharps container.
- ✓ Fill appropriate tubes- use luer lock vacutainer.
- ✓ Wipe cap with alcohol again, allow to dry and flush port with 20cc of normal saline using pulse/pause method. Wipe cap again and flush with heparin syringe.

We just reviewed the flush procedure if pt. receiving meds use the SASH method using 10cc saline and 5cc heparin 100u/ml.

Deaccess:

- ✓ Be sure if you are deaccessing a port that you flush with appropriate heparin prior to removing needle.
- ✓ Securely anchor Port by placing thumb and forefinger of non-dominate hand on the edges of the port while pulling the device straight up and out of the port septum.
- ✓ The Huber needles should all have a safety device to cover needle but they are all different.
- ✓ Hold pressure on the site until bleeding stops.
- ✓ Apply band aid to site.
- ✓ Document all care in IV portion of note.
- ✓ Note blood draw, where labs sent, amount of saline & heparin used.
- ✓ Document that removal was done, appearance of site Pt's response and instructions given to pt. or S/O.

Subcutaneous Access Devices:

Medications given via the subcutaneous route are usually given continuously. The rate is controlled by using an ambulatory pump. The infusion is usually a slow, steady rate which allows the body to absorb just the right amount of drug each hour.

The needle used is very thin and short, allowing it to puncture the subcutaneous layer of the body. The common areas used are upper arms, thighs, abdomen and sometimes the buttocks.

Procedure-

- ✓ Wash hands and explain procedure to the pt.
- ✓ Inspect the med for correct drug, expiration date, container intact, solution discolored or any precipitate.
- ✓ Attach tubing to med container.
- ✓ Open the subcutaneous needle package. Remove protective cover from the tubing end of needle and attach this end to the tubing of the med container.
- ✓ Flush air out of tubing, if cassette tubing not filled use prime button on pump.
- ✓ Select the site for the needle, avoid bony, swollen and bruised areas as well as near joints.
- ✓ Cleanse the area with alcohol and then PVP swabsticks using a circular motion. Allow to dry 30 seconds.
- ✓ Pinch the skin and insert needle firmly into skin.
- ✓ Cover needle with tegaderm and tape tubing for security.
- ✓ Turn on pump to begin infusion.

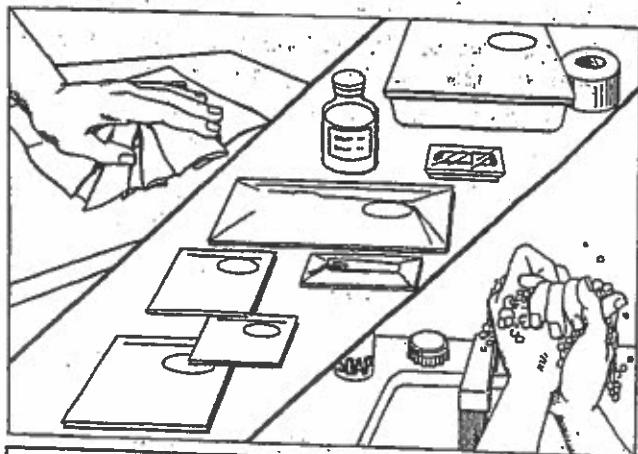
In your packet of handouts there is a **site rotation chart** you may use to teach the pt. the site should be changed q 3 days or sooner if problems. Teach the pt. to check site q 8 hours if redness or leaking rotate site. Teach pt. how to troubleshoot the pump and when to call the agency. The pt. may cover site with saran wrap or tegaderm to shower-cha

Subcutaneous Needle Insertion

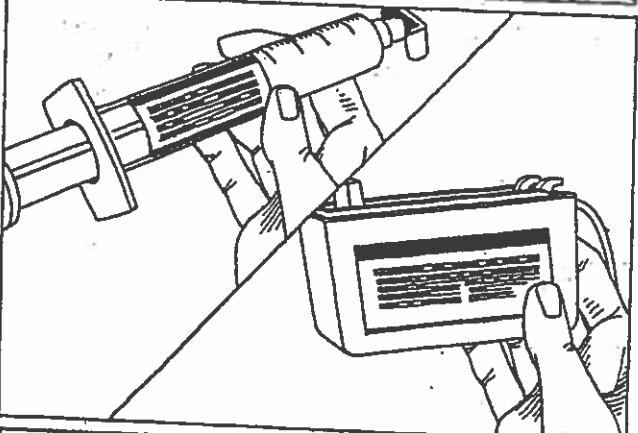
Supplies Needed:

- Prefilled medication container (at room temperature)
- Extension tubing, as needed
- Subcutaneous needle with attached tubing
- Alcohol swabsticks
- Povidone-iodine (PVP) swabsticks
- Gauze pad, as needed
- Transparent dressing, as needed
- Tape

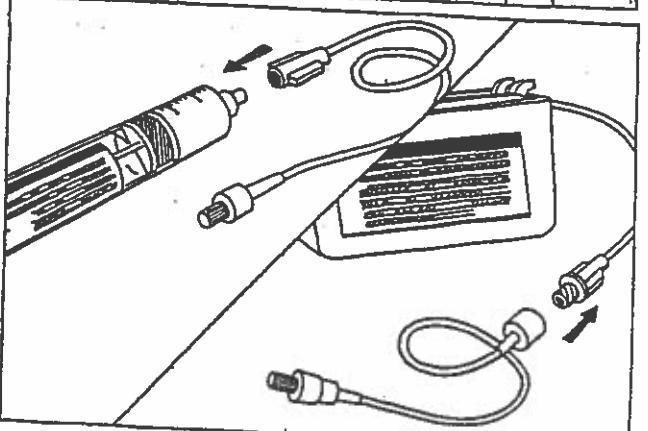
1. Clean your workspace. Gather your supplies. Wash your hands.



2. Inspect the medication container.
• Is it the correct drug?
• Has the drug expired?
• Is the container intact?
• Is the solution discolored?
• Are any specks seen?

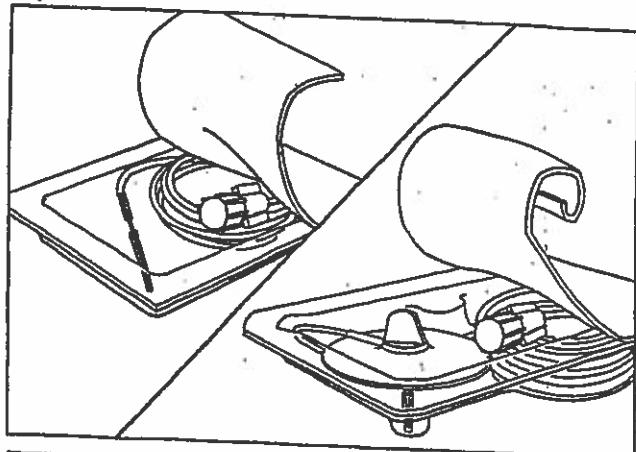


3. Attach the IV tubing to the medication container using aseptic technique.

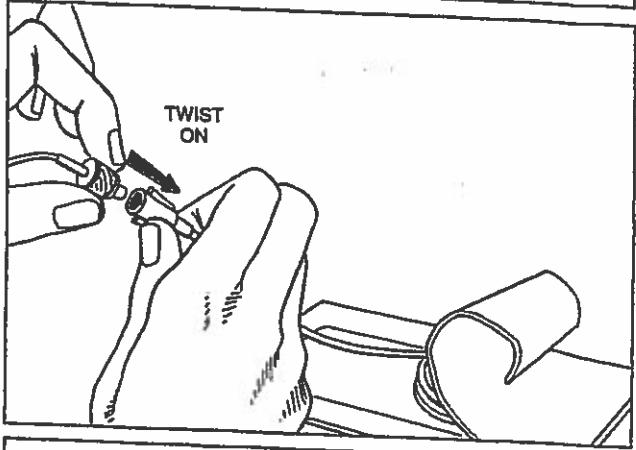


Subcutaneous Needle Insertion Continued

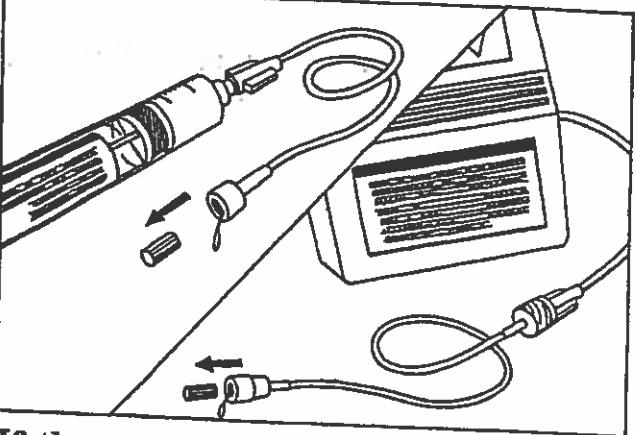
4. Open the subcutaneous needle package.



5. Remove the protective cover from the tubing end of the needle and attach this end to the tubing of the medication container.



6. Fill the entire length of tubing removing all air bubbles. To fill a medication "cassette tubing" follow the pump instructions provided by your nurse.

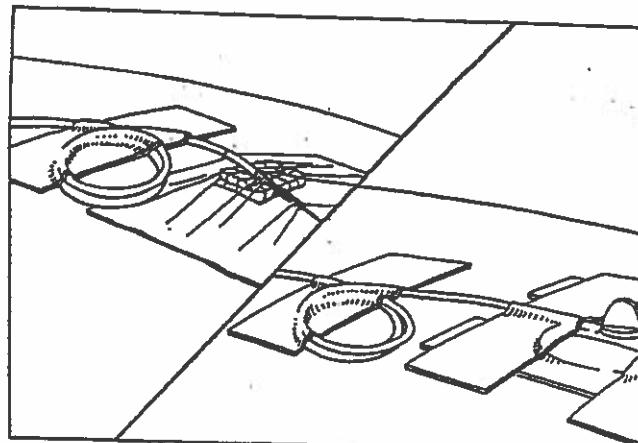


7. Select the skin site for needle insertion. Avoid bony, swollen and bruised areas of the skin as well as areas near joints.

If there is a change in the condition of your skin, call your home care nurse.

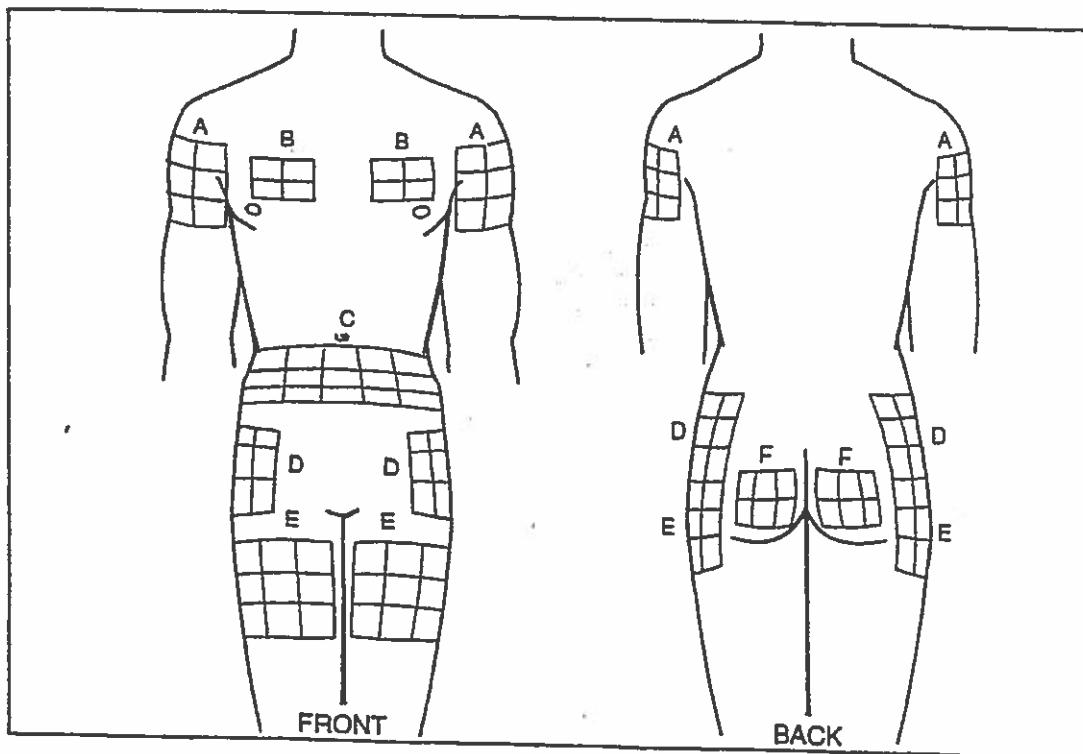
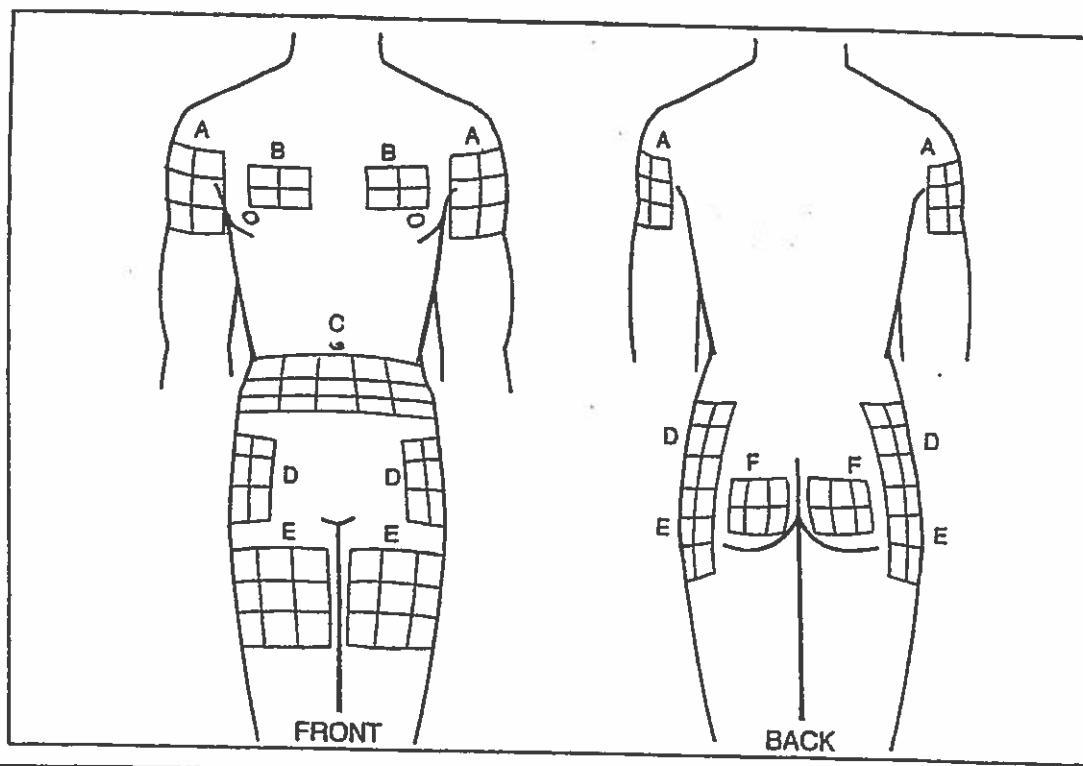
Subcutaneous Needle Insertion Continued

15. Tape any extra tubing to your skin so the needle is secure during movement.

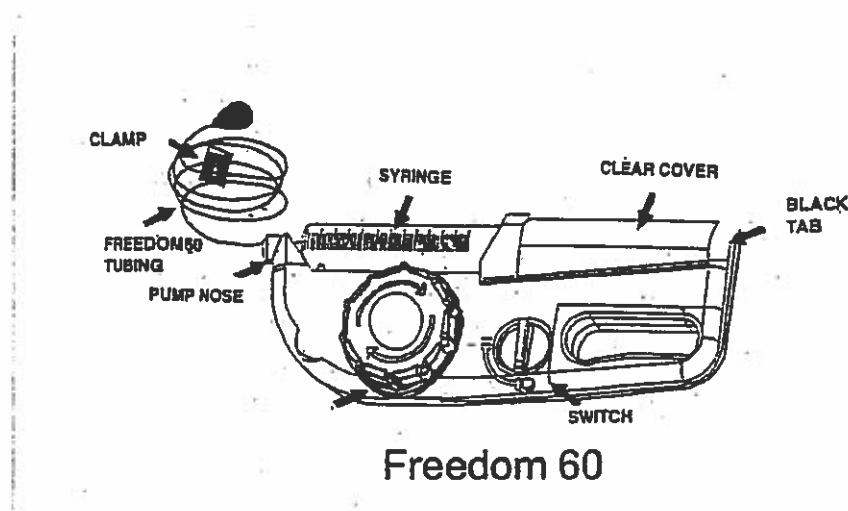


16. Turn on your infusion pump and begin your infusion.

Site Rotation Chart For Subcutaneous Needle Insertion Continued



MEDICATION ADMINISTRATION VIA FREEDOM 60 PUMP



SUPPLIES:

- Syringe of medication
- Freedom 60 tubing (tubing to be changed every M-W-F)
- (2) Sodium Chloride (Saline) syringes
- (1) Heparin syringe (if necessary)
- (1) Blue cap

PROCEDURE:

1. Gather equipment. Clean work area. Wash hands.
2. Prepare your flushes as instructed by your nurse.
3. Verify that tubing is labeled "Freedom 60 tubing." Remove tubing from package.
4. Attach tubing to end of syringe.
5. Freedom pump should be rewound for this dose of medication, which will have moved the black tab to the end of its track.

-
9. When the next dose is due, remove used syringe from tubing, and replace with a new syringe of medicine. Repeat process of administration of medication.

IMPORTANT:

**SUPPLIES AND WASTE CAN BE DOUBLE BAGGED AND DISPOSED OF WITH YOUR
HOUSEHOLD GARBAGE.**

Revised 5/2009

CURLIN 4000 PUMP

Equipment

Pump
Administration tubing
Medication at room temperature
Saline flush (if applicable)
Waste container

Procedure

1. Wash hands
2. Clean a work area
3. Gather up your equipment
4. Check your IV site (check for signs of redness, tenderness, swelling or drainage.
Notify your nurse if any signs present)
5. Check your medication for:

The right name
The correct medication and dose: _____
The expiration date
Particles or discoloration
6. Prepare the medication and tubing

Open the tubing any close any clamps
Pull the tab off the medication bag
Pull the cap off the spike end of the tubing
Push the spike into the medication bag port
Break off the yellow tab from the free flow valve
Prime the tubing by squeezing the yellow free flow clamp until all air is removed
7. Set up Infusion pump

Open the door on the infusion pump by lifting the lever on top of the pump
Swing the door arm of the pump to the open position
Place the tubing into the pump by inserting the yellow clip into the slot marked with the yellow arrow
Insert the blue clip into the slot marked with the blue arrow
Close the door arm of the pump. Be careful not to pinch the tubing
Click the door lever down to lock the door in the closed position

Infusion Therapy – Cadd Legacy and Cadd Prism Pumps

Considerations:

1. Use 2 patient identifiers
2. This procedure is for administering a medication using an ambulatory pump
3. Ambulatory pump may be used on a midline or a central line
4. For patient controlled analgesia specific physician orders must include:
 - a. Medication and dose
 - b. Name and amount of diluent
 - c. Route of Administration
 - d. If programmed in Mg or ML
 - e. Basal rate
 - f. Bolus rate
5. Before hooking up pump:
 - a. Inspect cassette/bag for correct patient name, medication, dose expiration date, separation or particulate matter
 - b. Review all parameters such as medication, concentration, basal rate, bolus rate, amount given, bolus doses attempted and delivered
 - c. Clear the amount given, bolus attempted and dose delivered at least once a week
 - d. Call physician or pharmacist if any questions or concerns about med, pump, or rate of infusion
6. Instruct patient/caregiver on management and storage of meds and supplies
7. Tubing is changed with each cassette/bag change
8. Follow manufacturer's directions for preparing tubing and connecting to pump

Cadd Legacy Plus:

Equipment

Pump

Medication cassette/bag (at room temp)

Alcohol wipes

Key

2 AA batteries

Procedure:

1. Assess patient's pain
2. Wash hands and clean work area
3. Gather your equipment
4. Check the infusion site for redness, tenderness, swelling or drainage
5. Stop the pump by holding the start/stop button until 3 --- appear
6. Disconnect from completed infusion
7. Unscrew the medication tubing from cap or SC needle
8. Close the clamp on the used medication cassette/bag
9. Unlatch the medication cassette/bag from the pump using the key
10. Have patient or caregiver discard the used medication cassette/bag
11. Change the batteries on the pump
12. Insert the new medication reservoir hooks into the hinge pins on the pump
13. Place pump upright on a hard surface

14. Using the key, push in and turn the lock until full locked on
15. Open all clamps
16. Clean the cap on IV or remove SC needle from packaging
17. Reconnect your medication to the IV cap or SC needle
18. If an SC needle is used, prefill needle and tubing with the medication in the pump
19. With Reservoir Volume on the screen press the Enter/Clear button until total volume appears
20. Start the pump by holding the Start/Stop button until the 3 --- disappear
21. Review parameters once again as they scroll through

Changing Medication doses for Cadd Legacy Plus:

1. Hold stop button down until 3 --- appear and pump screen says Stopped
2. Hit lock button
3. Scroll to lock level 0 and hit enter
4. Enter Code 63 and hit enter again (circled)
5. Screen will return to Stopped
6. Hit next button until continuous rate shows
7. Change the rate to the desired rate and press Enter
8. Hit next to get to bolus dose,
9. Change rate if needed and hit Enter
10. Hit next to see doses per hour
11. Change if needed and hit Enter
12. Hit lock button and scroll to lock level 2 hit enter
13. Enter code 63 and hit enter again check to be sure it is in lock level 2 so no changes can be made
14. Continue to hit next button and review all parameters to ensure accuracy
15. Hit Start/Stop and hold until it says run It will once again run through the parameters
16. Check pump before you leave to make sure it says run

Cadd Prism Pump:

Equipment:

Pump

IV medication cassette/bag (at room temp)

Saline flushes if needed (not for PCA line)

Alcohol wipes

Coin or key for PCA

Sharps container

9 volt battery

Procedure:

1. Assess patient's pain if PCA
2. Wash hands and clean work area
3. Gather your equipment
4. Check the infusion site for redness, tenderness, swelling or drainage
5. Stop the pump by pressing the start/stop button
6. Disconnect from completed infusion
7. Unscrew the medication tubing from cap or SC needle

8. Close the clamp on the used medication cassette/bag
9. Unlatch the medication cassette/bag from the pump using the coin or key
10. Have patient or caregiver discard the used medication cassette/bag if PCA
11. Change the batteries on the pump and wait for pump to complete self test
12. Insert the new medication reservoir hooks into the hinge pins on the pump
13. Place pump upright on a hard surface
14. Using the coin or key, push in and turn the lock until full locked on
15. Open all clamps
16. Clean the cap on IV or remove SC needle from packaging
17. Reconnect the medication to IV cap or SC needle
18. If an SC needle is used, prefill needle and tubing with medication in the pump
19. Screen will say press next to continue
20. Pump will ask if you want to change reservoir volume press Y for yes
21. If needed pump will ask if you want to prime tubing If yes press the Y button lift finger and hold Y button until tubing is full (Be sure pump is not attached to patient when priming)
22. Pump will ask if you want to start the pump
23. Review the parameters of pump before starting and be sure pump is in lock level 2
24. Wipe cap with alcohol if IV
25. Flush IV line if you are not using PCA
26. Attach pump to cap and hit Y for yes to start pump
27. If using SC needle clean site with antiseptic pinch skin and place needle straight in to skin
28. Cover needle and site with tegaderm
29. Start the pump by pressing Y, It will once again complete the self test
30. While pump is running the green light will flash

Changing medication doses for Cadd Prism:

1. Stop the pump by hitting start/ stop button
2. Hit the lock button
3. Scroll to lock level 0
4. Enter Code 61
5. Hit lock button again
6. Screen will return to stopped hit next until basal rate appears
7. Change rate to desired rate and press enter
8. Hit next to get to bolus dose
9. Change rate if needed and hit enter
10. Hit next to see doses per hour
11. Change doses per hour if needed and hit enter
12. Hit lock button and scroll to lock level 2
13. Hit lock button and enter code 61
14. Hit lock button again
15. Hit the next button and check all parameters to ensure accuracy
16. Hit Start/Stop button it will once again run through the parameters
17. Green light will be flashing if running

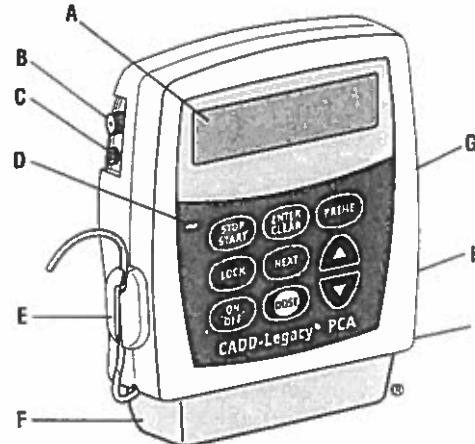
CADD-Legacy®

PCA

Infusion Pump

Model 6300

Quick Reference Card for Clinicians Lock Level 0 (LLO)



- A Display shows programmed values and messages
- B AC Adapter Jack used to plug in AC Adapter
- C Accessory Jack used to plug in Remote Dose Cord
- D Indicator Light indicates AC power in use
- E Air Detector
- F Cassette (part of reservoir or administration set that attaches to pump)
- G Threaded Mounting Hole for use with Polemount Bracket Adapter (back of pump)
- H Battery Compartment (back of pump)
- I Cassette Lock attaches cassette to pump (side of pump)

KEYPAD

STOP/START	Stops and starts the infusion
ENTER/CLEAR	Enters or clears displayed value
PRIME	Fills tubing with fluid
LOCK	Displays or changes Lock Level (security level)
NEXT	Advances to next programming screen
▲▼	Increases or decreases displayed values or scrolls through menu items
ON/OFF	Turns the pump on or off (low power)
DOSE	Delivers demand dose

Read the entire Operator's Manual before operating the CADD-Legacy® ambulatory infusion pump. Failure to properly follow warnings, cautions and instructions could result in death or serious injury to the patient.

WARNING: This Quick Reference Card should be used by clinicians only. Do not permit patients to have access to this card, as the information would allow access to all programming and operating functions.

Assistance with the CADD-Legacy® PCA pump is available to clinicians 24-hours-a-day by calling (800) 426-2448 in the U.S.A. and Canada.

CADD, CADD-Legacy and the Medication Cassette reservoir design are trademarks of the Smiths Medical family of companies. The symbol ® indicates the trademarks are registered in the U.S. Patent and Trademark Office and certain other countries. ©2005 Smiths Medical family of companies. All rights reserved. 2/05 19882

smiths

Smiths Medical MD, Inc.
St. Paul, MN 55112 USA

Customer & Clinical Services:
1-800-426-2448 U.S.A. & Canada
www.smiths-medical.com

PROGRAMMING / SET-UP SEQUENCE

Batteries must be installed; pump must be stopped and in LLO.
NOTE: Value Not Saved is displayed if a value is scrolled and ENTER/CLEAR is not pressed. Press NEXT to continue programming.

WARNING: If the pump is dropped or hit, inspect it for damage. Do not use a pump that is damaged or is not functioning properly.

Main Screen Press NEXT.

Enter Reservoir Volume

1. Press **▲** or **▼** to select desired Reservoir Volume.
2. Press ENTER/CLEAR.
3. Press NEXT.

Enter Units

4. Press **▲** or **▼** to select desired units.
5. Press ENTER/CLEAR.
6. Press NEXT.

Enter Concentration

NOTE: This screen does not appear if programming in milliliters.

7. Press **▲** or **▼** to select desired Concentration.
8. Press ENTER/CLEAR.
9. Press NEXT.

Enter Continuous Rate

10. Press **▲** or **▼** to select desired Continuous Rate (select the upper limit if the program will be adjusted in LL1).
11. Press ENTER/CLEAR.
12. Press NEXT.

Enter Demand Dose

13. Press **▲** or **▼** to select desired Demand Dose (select the upper limit if program will be adjusted in LL1).
14. Press ENTER/CLEAR.
15. Press NEXT.

***Enter Dose Lockout**

WARNING: When you enter a new value, any lockout time in effect will be cleared. A demand dose could be requested immediately upon starting the pump, resulting in over-delivery.

16. Press **▲** or **▼** to select desired Demand Dose Lockout.
17. Press ENTER/CLEAR.
18. Press NEXT.

Enter Doses Per Hour

NOTE: This screen will only appear if you have programmed a demand dose and dose lockout is less than 1 hour.

19. Press **▲** or **▼** to select desired Doses Per Hour.
20. Press ENTER/CLEAR.
21. Press NEXT.

***Clear Doses Given**

22. Press ENTER/CLEAR to clear the value for the number of Doses Given. The display will show 0.
23. Press NEXT.

***Clear Doses Attempted**

24. Press ENTER/CLEAR to clear the value for the number of Doses Attempted by the patient. The display will show 0.
25. Press NEXT.

Clear Given (ml, mg, mcg)

26. Press ENTER/CLEAR to clear the Given value. The display will show 0.00.
27. Press NEXT.

Verify Air Detector Status

28. Verify the setting is correct. (To change setting, see Biomed Functions section.)
29. Press NEXT.

*These screens will appear only if you have programmed a demand dose.

PROGRAMMING / SET-UP SEQUENCE (CONT'D.)

Verify Upstream Sensor Status

30. Verify the setting is correct. (To change setting, see Biomed Functions section.)
31. Press NEXT.

Verify Programming

32. Press NEXT repeatedly to review program.

To Operate In LL1 with Upper Limits, Decrease Continuous Rate and/or Demand Dose

If pump will be operated in LL1 to allow adjustment of Continuous Rate and/or Demand Dose (up to the maximum entered in LLO):

33. Change lock level to LL1.
34. Press NEXT to go to Continuous Rate or Demand Dose screen.
35. Press **▼** to select desired starting value.
36. Press ENTER/CLEAR.

PUMP OPERATIONS

Change the Lock

1. Stop the pump.
2. Press LOCK.

Level

3. Press **▲** or **▼** until desired lock level appears.
4. Press LOCK or ENTER/CLEAR.
5. Press **▲** or **▼** until the lock level code appears.
6. Press LOCK or ENTER/CLEAR.

Stop the Pump

1. Press and hold STOP/START until (-----) appears on the display.
2. Release STOP/START key. STOPPED will appear on the display when the pump is stopped.

Start the Pump

1. Press and hold STOP/START until (-----) disappears from the display.
2. Release STOP/START key. RUN will appear on the display when the pump is running.

Prime the Fluid Path

Pump must be stopped and in LLO or LL1.

WARNING: Do not prime the fluid path with the tubing connected to a patient as this could result in over delivery of medication or air embolism.

1. Press and hold PRIME until the word PRIME appears on the display, along with (-----).
2. Release the PRIME key.
3. Press and hold PRIME until priming appears on the screen. Continue priming until the fluid path is free of air.
4. Press NEXT to return to the main screen.

Reset the Reservoir Volume

1. Stop the pump.
2. Press NEXT to display the Reservoir Volume screen.
3. Press ENTER/CLEAR to reset the value to previously programmed amount.

Turn the Pump On

1. Press and hold ON/OFF until pump beeps and powers up.

Turn the Pump Off

1. Press and hold ON/OFF until (**** **** ****) appears on the display.
2. Release ON/OFF key.
3. The screen will go blank as the pump goes into a lower power state.

Change the Batteries

1. Stop the pump.
2. Push down and hold the arrow button on the battery door while sliding the door off. Remove and discard old batteries

IMPORTANT: Always stop pump before removing batteries.

3. Install new batteries, matching polarities shown on the pump. Replace battery door and close.
4. Start the pump.

WARNING: If a gap is present anywhere between the battery door and the pump housing, the door is not properly latched. If the battery door becomes detached or loose, the batteries will not be properly secured which could result in loss of power or nondelivery of drug.

WARNING: Do not use rechargeable NiCad or nickel metal hydride (NiMH) batteries. Do not use carbon zinc ("heavy duty") batteries.

CADD PRIZM-Intermittent

Equipment

- ✓ Medication at room temperature with attached tubing
- ✓ Pump
- ✓ 9 volt battery
- ✓ Saline flush
- ✓ Alcohol wipes
- ✓ Coin
- ✓ Sharps container
- ✓ Waste container

Procedure

1. Wash your Hands
2. Clean your Work Area
3. Gather up your Equipment
4. Check your IV site (check for signs of redness, tenderness, swelling or drainage- notify your nurse if any signs present)
5. Check your Medication for:
 - The right name
 - The correct medication and dose: _____
 - Particles or discoloration
 - Expiration date
6. Stop the Pump
 - Press the "START/STOP" pump
 - "Stop the pump?" will appear on the screen
 - Press the "Y" button
7. Disconnect Completed Medication
 - Unscrew tubing from your IV
8. Administer Saline Flush
 - Clean the cap on your IV with an alcohol wipe
 - Remove the cap from the saline flush
 - Remove any air from syringe
 - Twist the saline syringe onto your IV
 - Depress the plunger slowly to administer the flush
 - Remove the syringe and discard

10. Change the battery in the pump

11. Reconnect your medication

Clean the cap on the end of your IV with an alcohol wipe

Remove the cap from the end of the medication tubing

Attach the tubing to your IV

12. Reset Pump Program

Press the "ENTER/CLEAR" button

RES VOL should read _____

Start the pump by pressing and holding the "START/STOP" button until the 3 --- disappear

Your medication is due every _____ hours

The pump will administer your medication at _____

Change your medication bag/cassette every _____ hours between _____ and _____

Charging the battery

Stop the pump

1. Press Stop/Start.
2. "Stop Pump?" displays. Press Yes.
3. Remove the used batteries.
4. Insert the new batteries.
5. Press the power switch to turn the pump on.
6. The screen displays "Do you want to start a new patient?" Press No.
7. Press Stop/Start to start the pump.
8. "Start Pump" displays. Press Yes.

Screen is blank

This screen allows the pump to conserve battery power when not in an active mode and if no keypad buttons have been pressed for 30 seconds. The pump displays a blank screen. Press any button on the keypad to activate the display on.

Atkins and troubleshooting

Low Priority Alarm

If the pump is running, it always stops when a high priority alarm is activated. Accompanied by a red screen, it continues until acknowledged or until the condition that triggered the alarm goes away.

Medium Priority Alarm

This alarm does not stop the pump. Accompanied by an amber screen, it continues until acknowledged or until the condition that triggered the alarm goes away.

Low Priority Alert

A low priority alarm does not stop the pump. Accompanied by a blue screen, the alarm automatically clears after 5 seconds or until the condition that triggered the alarm goes away.

Informational Message

This alarm does not stop the pump. This message appears in the status bar. It is displayed for 5 seconds and is generally silent, requiring no acknowledgement.

Alarms and troubleshooting

Downstream occlusion. Clear occlusion between pump and patient.

Alarm Priority High. The pump has detected high pressure, which may be resulting from a downstream obstruction, kink in the fluid path, or a closed tubing clamp. Delivery pauses and resumes if the occlusion is removed. Remove the obstruction or stop the pump to silence the alarm for 2 minutes, then remove the obstruction and restart the pump.

Reservoir volume low.

Alarm Priority Medium or Low (depending on how the alarm is programmed in Admin Settings). Level of fluid in the reservoir is low. Prepare to install a new reservoir if appropriate.

Reservoir volume is zero. Pump stopped.

Alarm Priority High. The reservoir volume has reached 0.0 ml. The pump stops and can not run. Acknowledge the alarm, install a new fluid container. Reset or edit the value of the reservoir volume. Open stream occlusion. Clear occlusion between pump and reservoir.

Battery depleted. Pump stopped.

Alarm Priority High. The pump is stopped and can not run. The air detector has detected air in the fluid path; the fluid path may contain air bubbles. Acknowledge the alarm. Then, if the fluid path contains air bubbles, close the clamp, disconnect the fluid path from the patient, and follow the instructions for priming to remove the air prime tubing.

Battery low; replace battery

Alarm Priority Low. Change the rechargeable battery pack or the 6 AA batteries soon.

Delivery limit reached. Or, delivery limit reached and partial dose delivered.

Pump's status bar reads: "YVO = 0"

Alarm Priority Low. The programmed delivery limit has been reached, and the pump is not delivering fluid. This alarm occurs when the continuous rate or a PCA dose has caused the delivery limit to be exceeded.

Acknowledge the alarm (the alarm automatically clears after 5 seconds).

Pump's status bar reads "Del Limit"

Alarm Priority Low. The programmed delivery limit has been reached, and the pump is delivering fluid at the YVO rate of 0 ml/hr. This alarm occurs when the continuous rate or a PCA dose has caused the delivery limit to be exceeded. Acknowledge the alarm (the alarm automatically clears after 5 seconds).

Alarms and troubleshooting

Downstream occlusion. Clear occlusion between pump and patient.

Alarm Priority High. The pump has detected high pressure, which may be resulting from a downstream obstruction, kink in the fluid path, or a closed tubing clamp. Delivery pauses and resumes if the occlusion is removed. Remove the obstruction or stop the pump to silence the alarm for 2 minutes, then remove the obstruction and restart the pump.

Reservoir volume low.

Alarm Priority Medium or Low (depending on how the alarm is programmed in Admin Settings). Level of fluid in the reservoir is low. Prepare to install a new reservoir if appropriate.

Reservoir volume is zero. Pump stopped.

Alarm Priority High. The reservoir volume has reached 0.0 ml. The pump stops and can not run. Acknowledge the alarm, install a new fluid container. Reset or edit the value of the reservoir volume. Open stream occlusion. Clear occlusion between pump and reservoir.

Battery depleted. Pump stopped.

Alarm Priority High. The pump is stopped and can not run. The air detector has detected air in the fluid path; the fluid path may contain air bubbles. Acknowledge the alarm. Then, if the fluid path contains air bubbles, close the clamp, disconnect the fluid path from the patient, and follow the instructions for priming to remove the air prime tubing.

Battery low; replace battery

Alarm Priority Low. Change the rechargeable battery pack or the 6 AA batteries soon.

Delivery limit reached. Or, delivery limit reached and partial dose delivered.

Pump's status bar reads "YVO = 0"

Alarm Priority Low. The programmed delivery limit has been reached, and the pump is not delivering fluid. This alarm occurs when the continuous rate or a PCA dose has caused the delivery limit to be exceeded. Acknowledge the alarm (the alarm automatically clears after 5 seconds).

Pump's status bar reads "Del Limit"

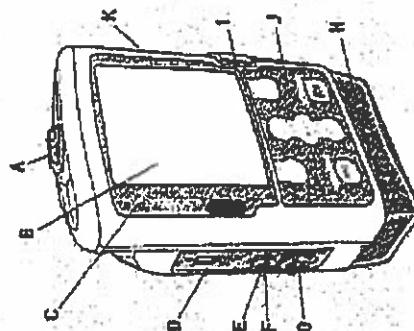
Alarm Priority Low. The programmed delivery limit has been reached, and the pump is delivering fluid at the YVO rate of 0 ml/hr. This alarm occurs when the continuous rate or a PCA dose has caused the delivery limit to be exceeded. Acknowledge the alarm (the alarm automatically clears after 5 seconds).

Smiths medical
bring technology to life

CADD®-Solis

Ambulatory Infusion System

Protocol Programming using Code or Key



- A Battery Compartment
- B Display
- C Indicator Lights
- D Dose Counter
- E Blinc AC Power Light
- F AC Power Jack
- G Cassette
- H Cassette Latch
- I Keypad
- J Power Button
- K Reservoir

Customer and Clinical Services 1-800-258-5361
www.smiths-medical.com

© 2002 Smiths Medical Inc. All rights reserved.
Smiths Medical Inc., 10000 North Central Expressway, Suite 1000, Dallas, TX 75231-3212 USA
Phone: 1-214-471-0210
Fax: 1-214-471-744303
Smiths Medical Canada Ltd.
540 Main Street, North York, Ontario, Canada M3J 4V8
Phone: 1-800-377-7004
Toll-Free USA: 1-800-374-2326
www.smiths-medical.com
Product documentation and technical support are available for sale in Canada or other countries from the distributor or sales office located in that country.
Smiths Medical and its Smiths Medical divisions make no representations or warranties regarding the quality of its products. To prevent damage to medical equipment, it is recommended that all medical equipment be repaired or replaced by a qualified medical equipment service center or manufacturer. Smiths Medical and its Smiths Medical divisions do not accept responsibility for damage to medical equipment caused by unauthorized repair or replacement.

Setting up the pump for a new patient	Changing a patient's current program while the pump is running
Prepare the pump for a new patient	
1. Begin without the cassette attached to the pump. 2. Insert four new 1.5 volt AA alkaline batteries in 5 or 6 rechargeable battery pack. 3. Press the power switch to turn the pump on.	10. "Start Pump?" displays. Press Yes. NOTE: If a security code was used to unlock the keypad, the keypad automatically relocks when the pump is started. If a key was used to unlock the cassette/keypad, use the key to relock the cassette/keypad.
Start new patient	
4. Screen displays "Do you want to start a new patient?" Press Yes. 5. Unlock the keypad using the security code or the pump key. 6. Scroll 1 or 3 to highlight the desired therapy. Press Select. 7. Scroll 1 or 3 to highlight the desired drug and concentration for unit. Press Select. 8. Confirm that you have selected the correct therapy, quantity, drug and concentration for unit. Verify and press Yes. 11. "Review pump settings" displays. Press Review.	1. Scroll 1 or 3 to highlight the patient specific parameter you want to change. Press Save. NOTE: If the desired value is outside the soft limit, press Confirm. Verify the soft limit override by pressing Yes. 12. To edit for a patient specific parameter press Select. Scroll 1 or 3 to the new value then press Save. Note! If the desired value is outside the soft limit, press Confirm. Verify the soft limit override by pressing Yes. 13. Continue until all patient specific parameters have been reviewed and/or edited. Press Accept Value for each setting. A checkmark appears next to each patient specific parameter you have accepted. When completed press Next.
When programming for a new patient	14. To change a patient specific parameter after you have accepted it, repeat step 12. 15. "Cassette not attached. Attach cassette before starting pump." is displayed.
When programming for the new patient is complete	16. Attach, latch, and lock the cassette to the pump. 17. "Prime tubing?" displays. Press Yes if priming is needed. 18. "Disconnect tubing." displays. Press Prime. Press Stop/Priming when complete.
When the pump is running	19. "Continue Pump?" displays. Press Yes or No. 20. "Start Pump?" displays. Press Yes when you are ready to begin the infusion. The pump begins running.

Setting up the pump for a new patient	Changing a patient's current program while the pump is running
With the pump running, all parameters can be changed except reservoir volume	
Program the pump	10. "Start Pump?" displays. Press Yes. NOTE: If a security code was used to unlock the keypad, the keypad automatically relocks when the pump is started. If a key was used to unlock the cassette/keypad, use the key to relock the cassette/keypad.
Start new patient	
4. Screen displays "Do you want to start a new patient?" Press Yes. 5. Unlock the keypad using the security code or the pump key. 6. Scroll 1 or 3 to highlight the desired therapy. Press Select. 7. Scroll 1 or 3 to highlight the desired drug and concentration for unit. Press Select. 8. Confirm that you have selected the correct therapy, quantity, drug and concentration for unit. Verify and press Yes. 11. "Review pump settings" displays. Press Review.	1. Scroll 1 or 3 to highlight the patient specific parameter you want to change. Press Save. NOTE: If the desired value is outside the soft limit, press Confirm. Verify the soft limit override by pressing Yes. 12. To edit for a patient specific parameter press Select. Scroll 1 or 3 to the new value then press Save. Note! If the desired value is outside the soft limit, press Confirm. Verify the soft limit override by pressing Yes. 13. Continue until all patient specific parameters have been reviewed and/or edited. Press Accept Value for each setting. A checkmark appears next to each patient specific parameter you have accepted. When completed press Next.
When programming is complete	14. To change a patient specific parameter after you have accepted it, repeat step 12. 15. "Cassette not attached. Attach cassette before starting pump." is displayed.
When the pump is running	16. Attach, latch, and lock the cassette to the pump. 17. "Prime tubing?" displays. Press Yes if priming is needed. 18. "Disconnect tubing." displays. Press Prime. Press Stop/Priming when complete.
When the pump is running	19. "Continue Pump?" displays. Press Yes or No. 20. "Start Pump?" displays. Press Yes when you are ready to begin the infusion. The pump begins running.

Changing a patient's current program while the pump is stopped	Resetting the reservoir volume while changing the cassette
With the pump running, all parameters can be changed except reservoir volume	
Program the pump	1. From the home screen press Tasks. 2. "Give Clinker Bolus" displays. Press Select. 3. Enter the clinician security code 4. The screen displays the clinician bolus scroll range available. Scroll 1 or 4 until the desired value appears. Press Delete.
Start new patient	NOTE: If the desired value is outside the soft limit, press Confirm. Verify the soft limit override by pressing its.
4. Screen displays "Do you want to start a new patient?" Press Yes. 5. Unlock the keypad using the security code or the pump key. 6. Scroll 1 or 3 to highlight the desired therapy. Press Select. 7. Scroll 1 or 3 to highlight the desired drug and concentration for unit. Press Select. 8. Confirm that you have selected the correct therapy, quantity, drug and concentration for unit. Verify and press Yes. 11. "Review pump settings" displays. Press Review.	5. Choose Stop Bolus anytime during delivery to cancel it. Note: Never leave the pump unattended while the Clinician Bolus Edit screen. You must press Delete to delete the programmed value or Cancel to clear the screen.
When programming is complete	
Stop the pump	1. Press Stop/Start 2. "Stop Pump?" displays. Press Yes. 3. Aspirately remove the empty IV bag or syringe from the tubing and attach the new IV bag or syringe.
Program the pump	4. Scroll 1 until Reservoir Vol is highlighted. Press Select. 5. Scroll 1 until the key pad using the security code or the pump key. 6. The screen displays the current reservoir volume and a scroll range.
Start new patient	7. Press Select to raise the reservoir volume or scroll 1 or 3 to adjust the value. Press Save.
When programming is complete	When programming is complete
Stop the pump	7. Press Stop/Start. 8. "Review pump settings" displays. Press Review. 9. Choose Accept Value to confirm the value is correct for the highlighted patient's specific parameter or press Select to edit the highlighted parameter. 10. Continue until patient specific parameters have been reviewed, accepted and displayed. Checkmarks: Press Next.
Program the pump	11. "Start Pump?" displays. NOTE: If a security code was used to unlock the keypad, the pump will automatically relock when the pump is started. If a key was used to unlock the cassette/keypad, use the key to relock it.
Start new patient	12. If you are not starting the pump immediately, press Yes. 13. "Start Pump?" appears. Lock the keypad by pressing the right soft key/Tasks then Lock Keypad. Ensure that the cassette is also locked by turning the cassette/keypad lock clockwise to the locked position.

Changing a patient's current program while the pump is stopped	Pump must be running
With the pump running, all parameters can be changed except reservoir volume	
Program the pump	1. From the home screen press Tasks. 2. "Give Clinker Bolus" displays. Press Select. 3. Enter the clinician security code 4. The screen displays the clinician bolus scroll range available. Scroll 1 or 4 until the desired value appears. Press Delete.
Start new patient	NOTE: If the desired value is outside the soft limit, press Confirm. Verify the soft limit override by pressing its.
10. "Start Pump?" displays. Press Yes. NOTE: If a security code was used to unlock the keypad, the keypad automatically relocks when the pump is started. If a key was used to unlock the cassette/keypad, use the key to relock the cassette/keypad.	5. Choose Stop Bolus anytime during delivery to cancel it. Note: Never leave the pump unattended while the Clinician Bolus Edit screen. You must press Delete to delete the programmed value or Cancel to clear the screen.
When programming is complete	
Stop the pump	1. From the home screen press Reports. 2. Scroll 1 or 4 to the desired report and press Select. Press Back again to return to the home screen.
Program the pump	Option 1: 1. From the home screen press Tasks. Scroll 1 to View Reports and press Select. Scroll 1 or 4 to the desired report and press Select. Option 2: 1. From the home screen press Tasks. Scroll 1 to View Reports and press Select. Scroll 1 or 4 to the desired report and press Select. 2. Press Back to return to the Reports menu. Press Back again to return to the home screen.
Start new patient	To clear Given and PCA dose counters
When programming is complete	1. From the home screen press Reports. 2. Choose Clear Given in clear Total Given and set a new value. 3. Scroll down to "PCA doses Given/Absentee". Press Yes. 4. Press Back to return to the Reports menu, and then press Back again to return to the home screen.

Medication Administration: CADD Solis VIP[®] Pump

Wash Hands

How to Start/Stop the Pump

1. Insert batteries (see instructions).
2. Turn pump on by holding the power button (right side of the pump).
3. Self-test will run when powered up.
4. Press the **START/STOP** button.
5. Screen will show brief message *Stop pump? Or Start pump?*
6. Press the keypad below the **YES** or the **NO** for desired action.
7. **RED "Stopped"** message or **GREEN "Running"** message appears on screen to confirm action completed.
8. To power down the pump, press the power button on right side of pump. Screen will display "Power Down?" Press the white keypad button below **YES**.

Installing New Batteries

With Each Bag Change:

1. Turn the pump off.
2. Open the battery door by turning the knob on the battery compartment (top of pump) counterclockwise.
3. Remove the used batteries.
4. Always use 4 new batteries when changing batteries.
5. Match + and – marking on the new batteries with the markings on the pump.
6. Close the battery compartment door and lock it by turning the knob on the door clockwise.
7. The pump will only run if the batteries are installed correctly.
8. Turn the pump on (power up).
9. You will hear 6 beeps.



Our mission
is to enhance the lives of
those we care for each day.



Contact Us:

P: 000.000.0000 F: 000.000.0000

CADD Solis VIP® Pump Troubleshooting

When you see:	Take this action:
Battery Low	
OR	Change the battery.
Battery Depleted	
PCA: Cassette Unlocked	Cassette must be locked before it will start. If alarm sounding, press any key to silence the alarm. Lock cassette, then start pump.
PCA: Dose not delivered	You must wait until more time passes before you can receive another dose (PCA Pump).
Dose locked out	
Dose Overdue	Acknowledge the problem to clear the alarm and restart the pump to start the infusion.
Downstream Occlusion	There may be a kink in the tubing or a clamp may be closed. Unkink the tubing or open the clamp and pump will resume delivery. If alarm continues call your nurse.
Upstream Occlusion	Fluid is not flowing from the medication container to the pump. Check for kinks or a closed clamp between the medicine container and the pump. You may press START/STOP to stop the infusion and silence alarm for 2 minutes, then remove the kink and press START/STOP to restart the infusion.
Reservoir Volume is Zero	Medicine bag is empty. Press START/STOP to stop the alarm. Install new medicine bag/cassette. Change medicine bag/cassette at the same time each day. Change medicine bag/cassette before it is empty.
System Failure Error	There is a problem with the pump. Disconnect the medicine bag/cassette from your IV line. Flush your IV line. Remove the pump. Call the infusion company to troubleshoot or replace the pump.
Cassette Not Attached	Make sure the cassette is attached properly then start the pump.

Call your nurse with any unresolved issues

Medication Administration: Curlin Pump

Wash Hands

How to Start Pump

1. Press **ON/OFF**.
2. Program will be highlighted. Press **YES**.
3. Press **YES** to Repeat RX – which will be highlighted.
4. Press **YES** to highlighted program (TPN, cont., inter.)
5. Pump will cycle through the program.
6. Press **RUN/PAUSE**.

How to Prime Tubing

1. After reviewing program, instead of pressing **RUN/PAUSE**. Select **PRIME**.
2. Be sure that tubing is not attached to patient.
3. Press and hold **PRIME**.
4. Repeat Step #3 if necessary.

Installing a New Batteries

- **With each bag change**
- 1. Stop the pump.
- 2. Open the battery compartment door (on bottom of pump).
- 3. Press and release pin (use a penny) to slide door down/off or slide release to open.
- 4. Remove batteries noting + or -.
- 5. Slide battery door back on.



Our home infusion and transitional care services can allow you to recover at home with family and friends.

Our mission is to enhance the lives of those we care for each day.



Contact Us:

Curlin® Pump Troubleshooting

When you see:

Take this action:

Empty Battery

The battery no longer has sufficient power to run the pump.
Turn the pump off. Replace both "C" size batteries.
Recharge or replace the battery pack.
Attach to AC adapter.

Door open or Set not properly installed

Door latch not completely closed or administration set not installed correctly.
Recheck door latch assembly and securely lock door.
Remove and reinstall set if alert continues.

Empty Bag

Occurs when volume infused for prescription is equal to the **Bag Vol**.
Bag Vol may have been reduced due to priming.
Verify volume remaining is sufficient to complete current therapy.
Change bag.

Alarm Down Occlusion

There may be a kink in tubing or a clamp may be closed between the pump and the patient.
Unkink the tubing or open the clamp and pump will resume delivery.
If the alarm continues call your nurse.

Alarm Up Occlusion

Fluid is not flowing from the medicine container to the pump.
Check for kinks or a closed clamp between the medicine container and the pump.
Open the clamp of the pump and check for kinks.

- Call your nurse with any unresolved issues

Curlin® Pump Programs

Intermittent

Bag Volume: _____
Amount/Dose: _____
Does Rate: _____
Dose Time: _____
Dose Frequency: _____
KVO (mL/hr): _____
Dose/Bag: _____
Reg Volume (mL): _____
Total Time: _____

PCA

Reservoir Volume: _____
Basal Rate (mL/hr): _____
Bolus Dose: _____
Bolus Interval: _____
Bolus Per Hour: _____
Max Doses Per Hour: _____
Total Volume: _____
Amount Remaining: _____

TPN

Reservoir Volume: _____
Infusion Volume: _____
Infusion Period: _____
Taper Up Period: _____
Taper Down Period: _____
Plateau Rate: _____
KVO: _____

Continuous

Bag Volume: _____
Amount To Be Infused: _____
Rate: _____
Time: _____
KVO Rate (mL/hr): _____

Desferal 50mg. iv. over 8 hrs. 5xwk. The cassette contains 2.5gms in 20cc

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Lab Draw **Meds** **Infusion #1** **In** **< >**

Pump

CADD Prizm

Lock level **3** Code **61**

Gravity: **<gravity>**

infuse

Desferal **50 mg.**

added

Delivery

Res Vol cc **20**

IV: IV, Henry

Lab Draw **Meds** **Infusion #1** **In** **< >**

Delivery

Res Vol cc **20**

Inf Vol cc **4**

Dose Vol cc **8**

cc/hr

Over hrs **8**

Cycle q hrs **8**

KVO/cc/hr **8**

Bolus mg **5**

q min **5**

Taper up over/hr **5**

Taper down over/hr **5**

IV: IV, Henry

Lab Draw **Meds** **Infusion #1** **In** **< >**

Bolus mg **5**

q min **5**

Taper up over/hr **5**

Taper down over/hr **5**

Container

Cassette

length **5** day

First dose

Comments

(Cadd Prizm does not display "cc/hr" in intermittent mode.)

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Infusion #2 **Insertion #1** **Insert** **< >**

Device

Peripheral 24 ga

Site

R forearm

Dressing applied

+ blood return

Line Flushed

N/S 3 cc

<flush>

Comments

Oxacillin 2gm q 4 hrs via PICC, dressing change. Solution bag contains 24gm. In 620cc NS. Dose volume = 50.4cc

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Maintenance #1 Maintenance #2

Site
PICC

Upper arm circumference in

Dressing
changed

Insertion site
Unremarkable

+ blood return

Line Flushed
N/S 5cc
<flush>

Tubing change

Extension change

Cap Change

Comments

IV: IV, Henry

Maintenance #1 Maintenance #2

Insertion site
Unremarkable

+ blood return

Line Flushed
N/S 5cc
<flush>

Tubing change

Extension change

Cap Change

Comments

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Lab Draw Meds Infusion #1

Pump
CADD Prizm
Lock level 2 Code 61
Gravity <gravity>

Infuse
Oxacillin 2gm added

Delivery
Res Vol cc 620

IV: IV, Henry

Lab Draw Meds Infusion #1

Delivery
Res Vol cc 620
Inf Vol cc 50
Dose Vol cc 50
cc/hr 1
Over hrs 4
Cycle q hrs 0.4
KVO/cc/hr
Bolus mg
q min
Taper up over/hr
Taper down over/hr

IV: IV, Henry

Lab Draw Meds Infusion #1

Bolus mg
q min
Taper up over/hr
Taper down over/hr

Container
Bag length 2 day

First dose
Comments

TPN, Electrolytes 2L IV qd over 14 hr. taper up/down 1hr. Add MVI 10cc,
 Reg. Insulin 10u. IV's via Y-tubing to Hickman line. Rocephin 1gm IV qd.
 CBC with diff., chem. 20, LFT today and q Mon.

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Maintenance #1	Maintenance #2
Site	
Hickman	
Upper arm circumference	<input type="text"/> in
Dressing	
dry & intact	
Insertion site	
Unremarkable	
<input checked="" type="checkbox"/> + blood return	
Line Flushed	
N/S 5 cc	
<flush>	
<input type="checkbox"/> Tubing change	
<input type="checkbox"/> Extension change	
<input checked="" type="checkbox"/> Cap Change	
Comments	
Double lumen Blue line = TPN; Red line = free	

IV: IV, Henry

Maintenance #1	Maintenance #2
Insertion site	
Unremarkable	
<input checked="" type="checkbox"/> + blood return	
Line Flushed	
N/S 5 cc	
<flush>	
<input type="checkbox"/> Tubing change	
<input type="checkbox"/> Extension change	
<input checked="" type="checkbox"/> Cap Change	
Comments	
Double lumen Blue line = TPN; Red line = free	

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Maintenance #2	Lab Draw	Meds
Pre flush		
N/S 5 cc		
Discard	<input type="text"/> cc blood	
Post Flush		
N/S 20 cc		
<flush>		
Labs drawn		
CBC/Diff/Platelets		
Chem 20		
LFT		
<test>		
Labs sent		

IV: IV, Henry

Maintenance #2	Lab Draw	Meds
Discard <input type="text"/> cc blood		
Post Flush		
N/S 20 cc		
<flush>		
Labs drawn		
CBC/Diff/Platelets		
Chem 20		
LFT		
<test>		
Labs sent		
Drawn from red line. Fax results to Apria. 1 781 255 1455 + m)		

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry						
Lab Draw	Meds	Infusion #1	In	◀	▶	Out
Administered						
w/ pre flush						
<input type="button" value="N/S 5 cc"/> <input type="button" value="Rochephen 1 gm"/>						
over <input type="text"/> hrs <input type="text" value="30"/> min						
w/ post flush						
<input type="button" value="N/S 5 cc"/> <input type="button" value="Heparin 100 units/cc 5 cc"/>						
First dose						
<input type="button" value="Via red line"/>						
Administered						
w/ pre flush						

IV: IV, Henry						
Lab Draw	Meds	Infusion #1	In	◀	▶	Out
First dose						
Administered						
w/ pre flush						
<input type="button" value="<flush>"/> <input type="button" value="<Med>"/>						
over <input type="text"/> hrs <input type="text"/> min						
w/ post flush						
<input type="button" value="<flush>"/> <input type="button" value="<flush>"/>						
First dose						

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry						
Lab Draw	Meds	Infusion #1	In	◀	▶	Out
Pump						
<input type="button" value="6060 Sabretek."/> Lock level <input type="text" value="2"/> Code <input type="text" value="911"/>						
Gravity						
<input type="button" value="<gravity>"/>						
Infuse						
<input type="button" value="TPN Electrolytes"/> .added						
<input type="button" value="MVI 10cc Reg. Insulin 10 units"/> <input type="button" value="TPN via Y connector to blue line"/>						
Delivery						
Res Vol cc <input type="text" value="2050"/>						
Delivery						
Res Vol cc <input type="text" value="2050"/>						

IV: IV, Henry						
Lab Draw	Meds	Infusion #1	In	◀	▶	Out
Delivery						
Res Vol cc	<input type="text" value="2050"/>					
Inf Vol cc	<input type="text" value="2000"/>					
Dose Vol cc	<input type="text"/>					
cc/hr	<input type="text" value="142"/>					
Over hrs	<input type="text" value="14"/>					
Cycle q hrs	<input type="text"/>					
KVO/cc/hr	<input type="text" value="0.5"/>					
Bolus mg	<input type="text"/>					
q min	<input type="text"/>					
Taper up over/hr	<input type="text" value="1"/>					
Taper down over/hr	<input type="text" value="1"/>					

IV: IV, Henry						
Lab Draw	Meds	Infusion #1	In	◀	▶	Out
Bolus mg						
g min						
Taper up over/hr <input type="text" value="1"/>						
Taper down over/hr <input type="text" value="1"/>						
Container						
<input type="button" value="Bag"/> length <input type="text" value="1"/> day						
First dose						
<input type="button" value="Comments"/> TPN via Y connector to blue line						

Nafcillin 2gm over 2 hr. q 6 hrs via ML. Clindamycin 600mg via dial-a-flow q 8 hrs. At what hours could Clindamycin be given during Nafcillin infusion?

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Maintenance #1 Maintenance #2

Site: Midline

Upper arm circumference: 10

Dressing: dry & intact

Insertion site: Unremarkable

+ blood return

Line Flushed: N/S 5 cc

<flush>

Tubing change

Extension change

Cap Change

Comments:

IV: IV, Henry

Maintenance #1 Maintenance #2

Insertion site: Unremarkable

+ blood return

Line Flushed: N/S 5 cc

<flush>

Tubing change

Extension change

Cap Change

Comments:

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
----------------	----------------	----------	------	-------------	-------------	--------------	--------------	---------

IV: IV, Henry

Lab Draw Meds Infusion #1 In

Administered: w/ pre flush
N/S 5 cc
Clindamycin 600mg
over [] hrs [] min
w/ post flush
N/S 5 cc
<flush>
First dose
Interrupt pump after dose. Give at
Administered
w/ pre flush

IV: IV, Henry

Lab Draw Meds Infusion #1 In

Administered: w/ pre flush
<flush>
<Med>
over [] hrs [] min
w/ post flush
<flush>
<flush>
First dose
Administered
w/ pre flush

IV: IV, Henry

Lab Draw Meds Infusion #1 In

First dose
Administered
w/ pre flush
<flush>
<Med>
over [] hrs [] min
w/ post flush
<flush>
<flush>
First dose

Maintenance #1	Maintenance #2	Lab Draw	Meds	Infusion #1	Infusion #2	Insertion #1	Insertion #2	Removal
-------------------	-------------------	-------------	------	----------------	----------------	-----------------	-----------------	---------

IV: IV, Henry

Lab Draw	Meds	Infusion #1	In	<>
Pump				
CADD Prizm				
Lock level	1	Code	61	
Gravity				
<gravity>				
Infuse				
Nafcillin 2gm				
added				
Delivery				
Res Vol cc	403			

IV: IV, Henry

Lab Draw	Meds	Infusion #1	In	<>
Delivery				
Res Vol cc	403			
Inf Vol cc	48			
Dose Vol cc	24			
cc/hr	2			
Over hrs	6			
Cycle q hrs	.4			
KVO/cc/hr				
Bolus mg				
q min				
Taper up over/hr				
Taper down over/hr				

IV: IV, Henry

Lab Draw	Meds	Infusion #1	In	<>
Bolus mg				
q min				
Taper up over/hr				
Taper down over/hr				
Container				
Bag				
length	2	day		
First dose				
Comments				
Set pump for 6am, 12noon, 6pm, 12midnight				