



Amherst Fire District Procedure

IV Infusion Pump

Special Considerations:

- At any time IV tubing can be inserted.
- Channel pump or PC Unit can be on or off
- Channels are organized left to right
- PC Unit can handle up to 4 pump channels at once
- If unit is on and no keys work, there is a black button on back locks and unlocks the keys. Push and hold until beep is heard; about 4 seconds. Unit can be on or Off

Clinical Indications:

- Initiating a bolus and continuing a maintenance drip
- Initiating and/or continuing an infusion with a more controlled means of monitoring and titration.

Procedure:

Preparing an infusion.

1. Spike bag with IV line closed (white catch pulled out or line clamped off with roller)
2. Fill drip chamber $\frac{3}{4}$ full.
3. IF USING A BOTTLED SOLUTION - Open the air valve on the drip chamber.
4. Prime tubing ensuring no air in line.
5. Unclamp line to allow fluid to drain through.
6. To prevent free-flow of fluid close roller clamp again.

To Operate Pump with prepared Medication.

1. Turn on Alaris PC Point-of-Care Unit (PC Unit)
2. Attach Pump Module if needed (Pump modules can be attached to either side and labeled A-D)
3. Press Soft Key on PC Unit on RIGHT side of YES NEW patient
4. Press Soft Key on PC Unit (May have to push Down Page Soft key to reveal Critical Care)
5. Select (Critical Care) or (Pediatrics less than 50 kg) on RIGHT Side and then CONFIRM On bottom
6. On PUMP chamber, press channel select key
7. Press Guardrails drugs soft key on LEFT side
8. Press soft key on RIGHT side for the letter grouping
9. Press the First letter of the desired drug on RIGHT side
10. Press the BOTTOM soft keys to navigate to desired drug.
11. Press the desired drug of LEFT side
12. Confirm selected drug and concentration with YES or NO on RIGHT side
13. Enter patient weight or Body Surface Area (BSA) if applicable, once set up is correct press NEXT
14. Press soft key rate of dose and enter desired value- this value maybe pre-populated or can be edited.
15. Push START on Bottom.
16. To administer Bolus, push bolus on bottom enter Dose and Duration on LEFT side, THEN push START on Bottom.
17. If problems occur look at attached quick reference guide to Alaris PC Unit.

Caution:

- Low absorb tubing should be used with nitroglycerin however regular tubing may be used in its absence.
- Regular tubing may be used with any other medication unless specifically stated by the medication's manufacturer.
- Minimize air bubbles in line to make pump work better

Removing tubing

1. Pause drips (pause button located on the pump module). This will stop any alarms.
2. Lift tab on Pump module and pull gently to open drip chamber

Removing Pump Module

1. Push in light gray button of bottom side of
2. Lift up and away.

If Alarm Sounds

1. View check chamber for proper installation of tube
2. Check quick reference guide for trouble shooting.

Turning Off Unit

- To turn off Alaris PC Unit and all attached pump modules, push and hold CHANNEL OFF on pump module for 3 seconds and then release.
- To keep PC Unit on immediately after releasing pressure of channel off button, push any key on the PC Unit.

Certification Requirements:

- Successfully complete an annual skill evaluation inclusive of the indications, contraindications, technique, and possible complications of the procedure.