**IV Fluid Pumps**

How to trace the flow of the fluids

* Start by looking at the fluid bag-is there fluids present?
* From there follow the fluid line- there are 2 clamps along the way, a scrolling clamp and a push clamp, make sure those are open
* The fluid line then inserts into the t-set which goes into the catheter
* Make sure the clamp on the t-set is open also

Troubleshooting

* So your pump is beeping-now what?
* Read the message that is popping up on the screen
	+ Occlusion- it means something is obstructing the flow of fluids to the patient. Start by tracing your line from the bag and making sure all of the clamps are open. Has the pet twisted the line so that it is kinked? You can remove it and untwist and hook back up. Is there blood clogged up in the t-set? You can try flushing with a gentle pulse to see if it can move through. Note: DO NOT PUSH EXTREMELY HARD AND PUSH A CLOT THROUGH THE CATHETER.
	+ Air in line- it means there is air bubbles in the line somewhere which can be VERY bad for the patient. Detach the fluids from patient and run fluids through the line to clear of air bubbles. Reattach.
	+ VTBI- this means either the fluids are out or the amount set to run is done flowing.
	+ Is the pump not turning on or beeping battery? Make sure it is plugged in

Settings

* PRI rate-this is the rate that the fluids are flowing at
* PRI VTBI - volume to be infused. The amount of fluids total we want given
* PRI start- the button to press to begin fluids after entering in the above 2 totals
* Stop- big red button. Hit this button when disconnecting a patient
* Silence- white button. Can use this to silence the machine while a patient is outside so you don’t have to turn the machine off.
* these are really the only buttons you should need to touch on the machine

Disconnecting a patient

* Hit stop on the machine
* Close the clamp on the t-set (part closest to patients leg). This is important so that blood doesn’t flow into the t-set while the patient is outside and obstruct the catheter.
* Detach fluid line from t-set.
* Try your best to keep the end of the fluid line “sterile”/clean. Drape it over the pump so it isn’t touching the floor

Hooking up a patient

* Attach the fluid line to the t-set
* Unclamp the t-set
* Press PRI start to begin fluid therapy again

White Heska pump

* This pump is different than the older style pumps
* To begin press on/off
* Then use the “select” button to arrow through the options that present on the screen
* Use the up and down arrows to adjust settings as needed
* The green “run” button starts the fluids and the red “hold” button pauses it
* Note: if removing the fluid line to clear air bubbles, etc. the line MUST go in the direction of the arrow noted or else it pulls blood from the patient instead of pushing fluids to the patient

Our goal of this is for you to be able to troubleshoot the pumps and get them running again-especially overnight/early in the morning when a tech/dr. isn’t here. It will benefit the patients so that they are getting fluids for the necessary amount of time 😊

Any questions definitely feel free to ask me!

I can always demonstrate more or work one on one with you to go over anything mentioned above.

Ally