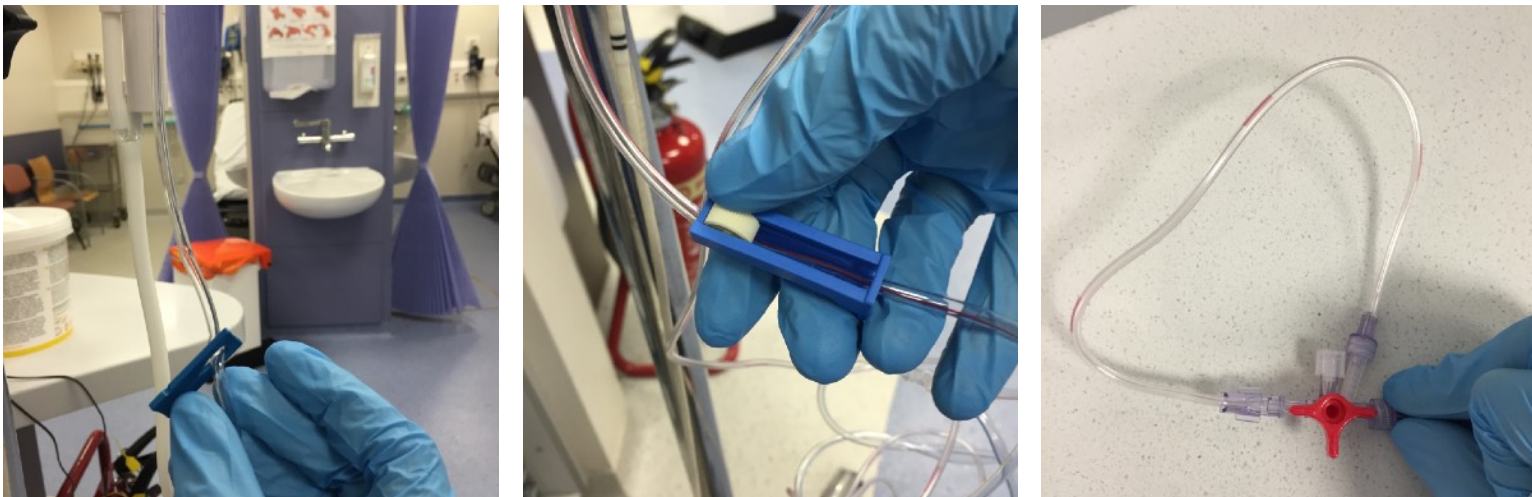


Arterial Line Setup

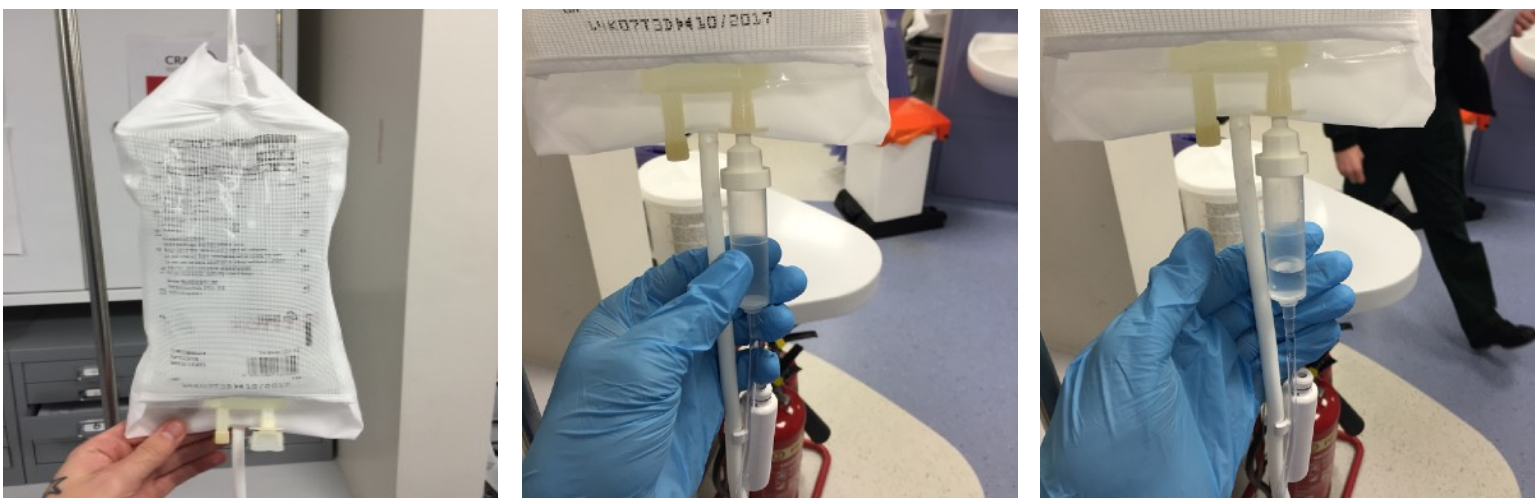
STEP ONE: Remove the giving set from the packaging and remove all ties.



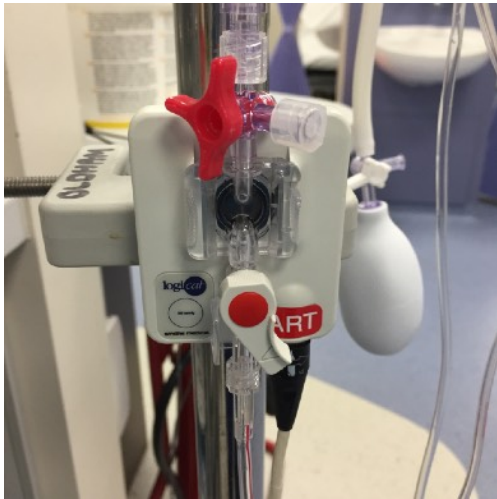
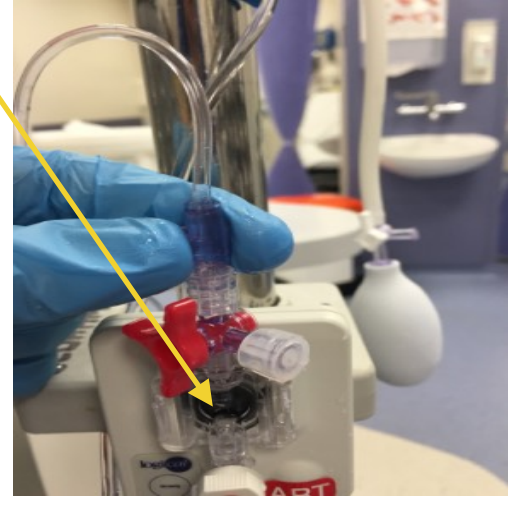
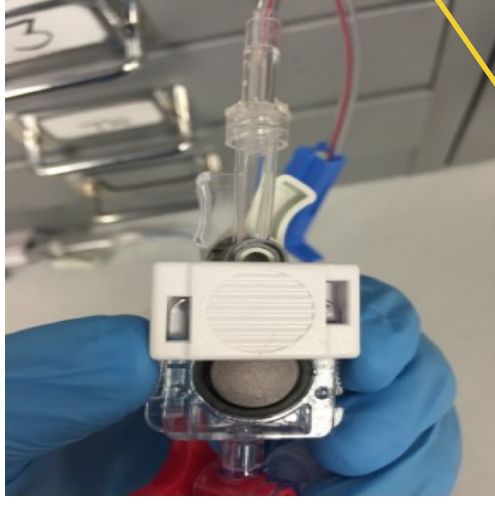
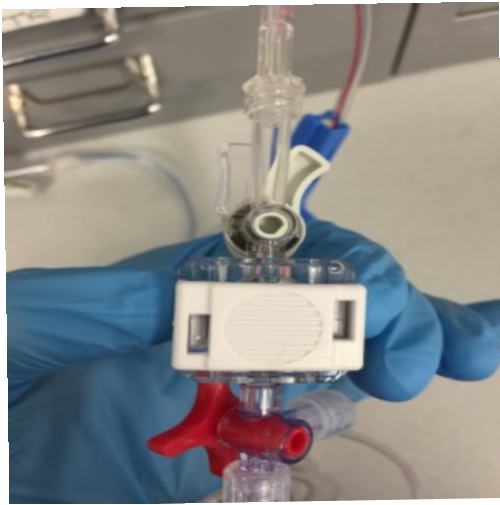
STEP TWO: Close all the clamps from the giving set and tighten ports to each three way taps.



STEP THREE: Put 1L of normal saline in the pressure bag. Then prime the giving set.



STEP FOUR: Take the plastic cover from the transducer and attach to the transducer clamp. Slide from an upright position into the groove until you feel a click.

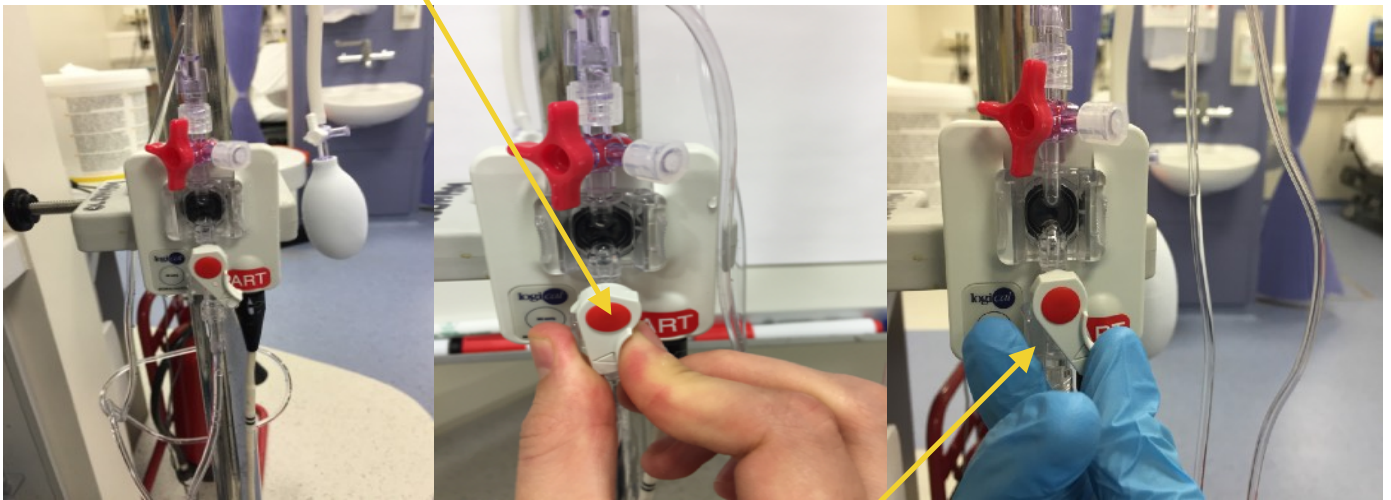


STEP FIVE: Attach the pressure bag to a drip stand, turn the tap to the right to inflate the fluids for the giving set. (As standard inflate to 300mmHg as seen below. Or a pressure higher than arterial systolic pressure to prevent back flow.



STEP SIX: Then turn the tap in an upright position to maintain pressures.

STEP SEVEN: pinch the transducer and hold. The fluids will then prime the rest of the giving set (make sure all clamps are released).

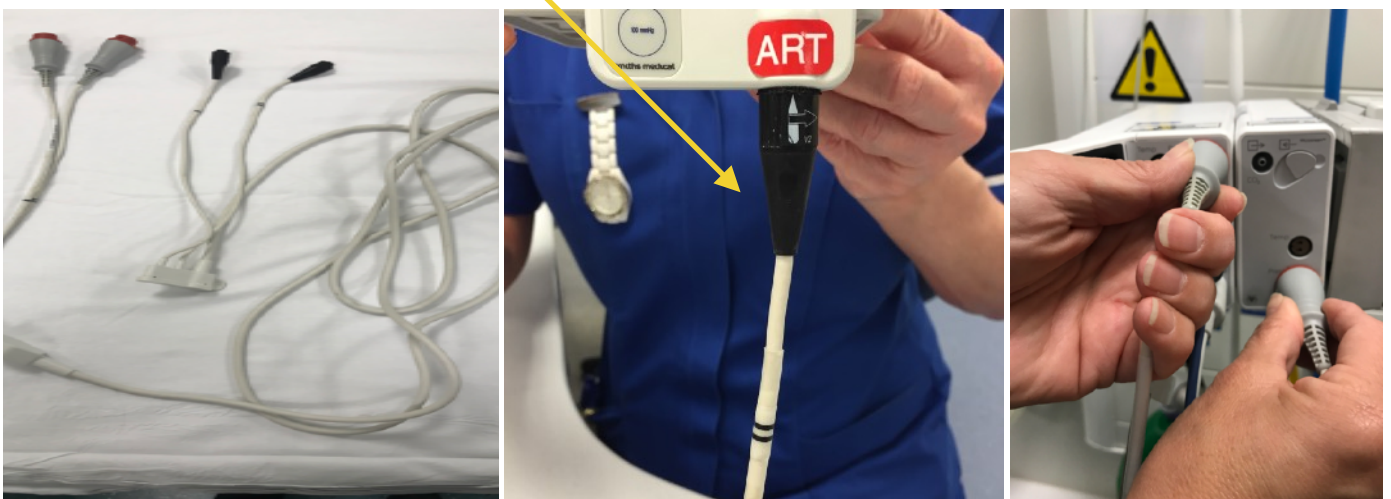


STEP EIGHT: Release when the giving set is fully primed

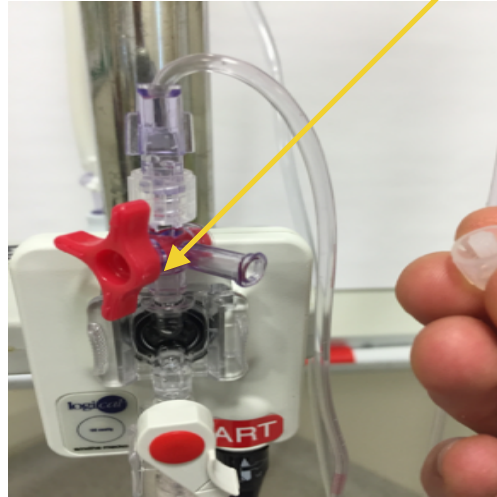
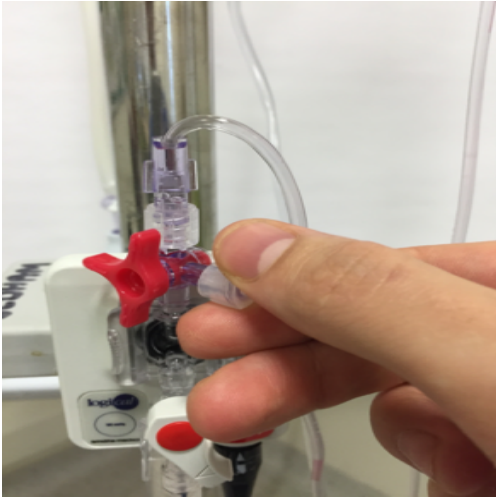
STEP NINE: When the Doctor is ready, show them you have flushed the line and give them the end of the giving set to attach to the patients arterial line.



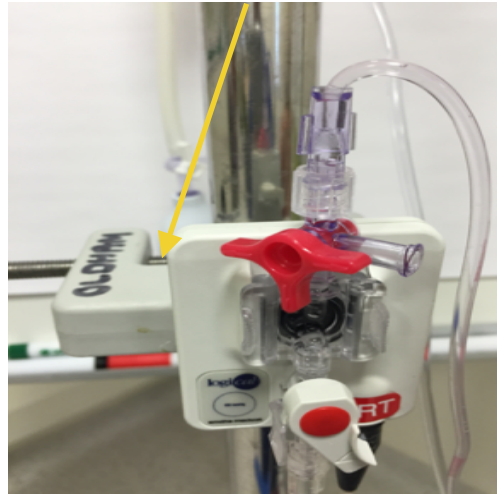
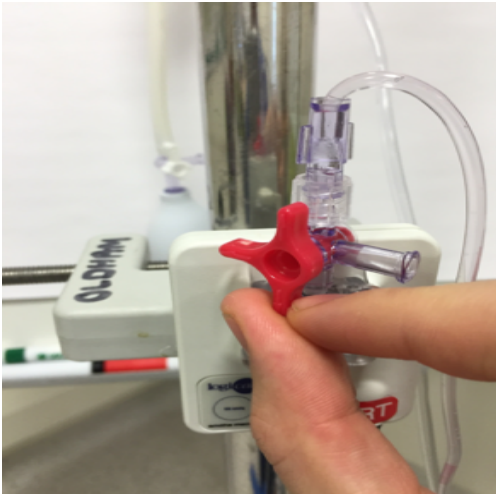
STEP TEN: The arterial line will then need zeroing. Firstly, attach the arterial leads to the transducer as demonstrated below. Attach the main lead to the monitor



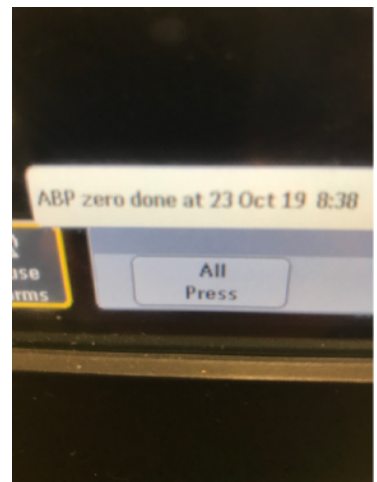
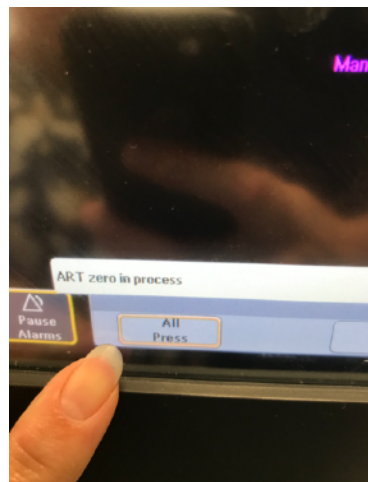
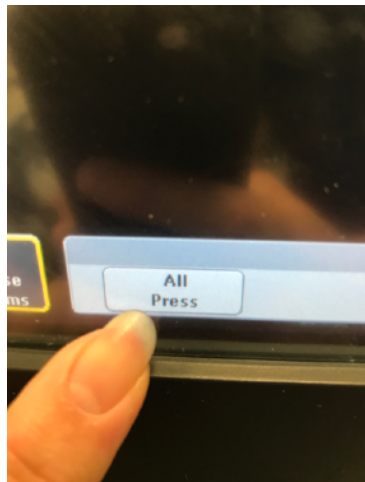
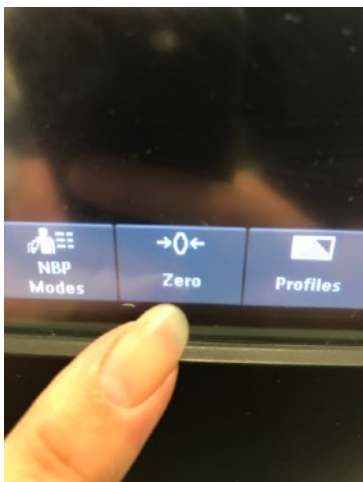
STEP ELEVEN: Go to the transducer set and remove the cap as shown below.



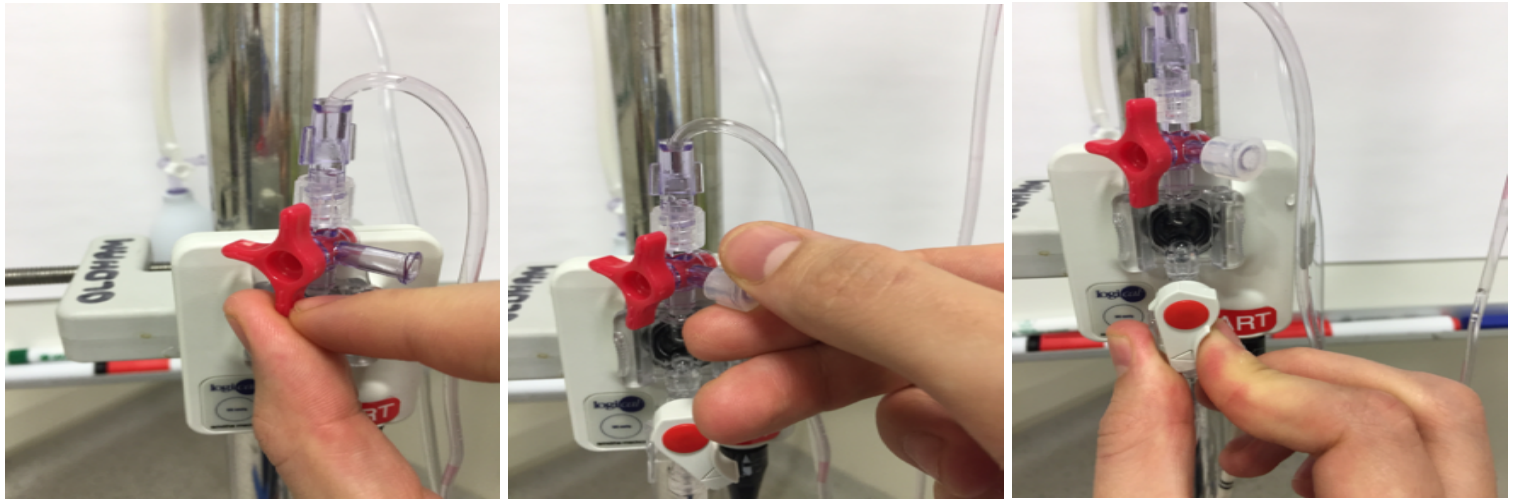
STEP TWELVE: Turn the tap off to the patient as shown below.



STEP THIRTEEN: Go to the monitor and press zero. then click all press. The monitor will then advise you when zeroing is completed as shown below



STEP FOURTEEN: Close the cap on the transducer set, and then return the tap to its original position so that it's closed to the port. Give the line a flush using the transducer set.



A good red trace on the monitor should then appear on the screen marked ART and you can safely use the arterial line to take arterial samples as needed. If you require training on taking arterial samples speak to *Daniel Adams, Nicola Swanwick, Maggie Wilkinson* or one of the sisters.