

## Arterial Line Insertion

### You will need

Silver Trolley (clean prior to use)	Hand held suture size 0
Incopad	sterile scissors
Dressing pack	Tegaderm dressing
Sterile gloves	Invasive monitoring giving set (RED)
Chloraprep / antiseptic solution	Transducer cable
2 x 5ml Syringe	Transducer holder
2 x Green needle	500ml Normal Saline
1 x Blue needle	Pressure bag
1% Lidocaine	
Arterial line – one of the following; (check with Dr)	Vycon arterial Leadercath 10cm
	BD Arterial Cannula 20G (red flow switch)
	Arrow Arterial catheterization set 20G

(Doctor may request theatre hat & surgical gown)

### STEP 1 – Insertion Equipment

Open dressing pack onto silver trolley then open out the following into the sterile field;

Chloraprep / antiseptic solution	Sterile scissors
2 x 5ml Syringe	Stitch cutter
1 x Green needle	Tegaderm dressing
1 x Blue needle	Arterial line of choice
Hand held suture size 0	Sterile gloves

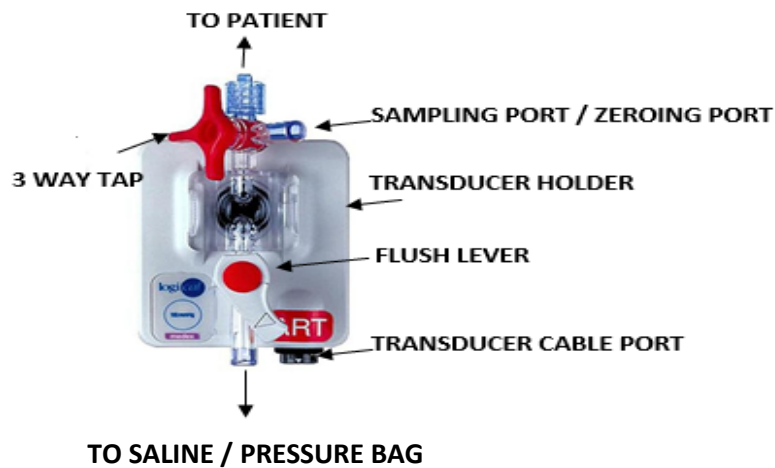
### STEP 2

- Transducer holder should be attached to the drip stand at a point which is in line with the patient's heart
- attach transducer cable to port on the transducer holder
- attach transducer cable to module on monitor



### **STEP 3 - PREPARE GIVING SET**

- Open invasive monitoring giving set, check all connections are secure and close rollerball clamp.
- Slide transducer system into transducer holder – this should click into place (there is a white plastic cover which needs to be removed first)
- Spike 500ml Bag of normal saline then open roller clamp to prime line using gravity (the flush lever must be squeezed to cause the saline to run through the line)
- Prime any side/sampling/zeroing ports by turning the 3 way tap. Then replace caps with sterile bung (found in giving set bag)
- Ensure the 3 way tap is closed to sampling ports and open to patient and saline (as pictured)
- Inflate pressure bag to 300mmHg
- Connect to patient



### **STEP 4 – ACTIVATE MONITOR**

Tap this symbol on the bottom right hand side of the monitor screen



This screen will then appear

Press here

Then press activate

