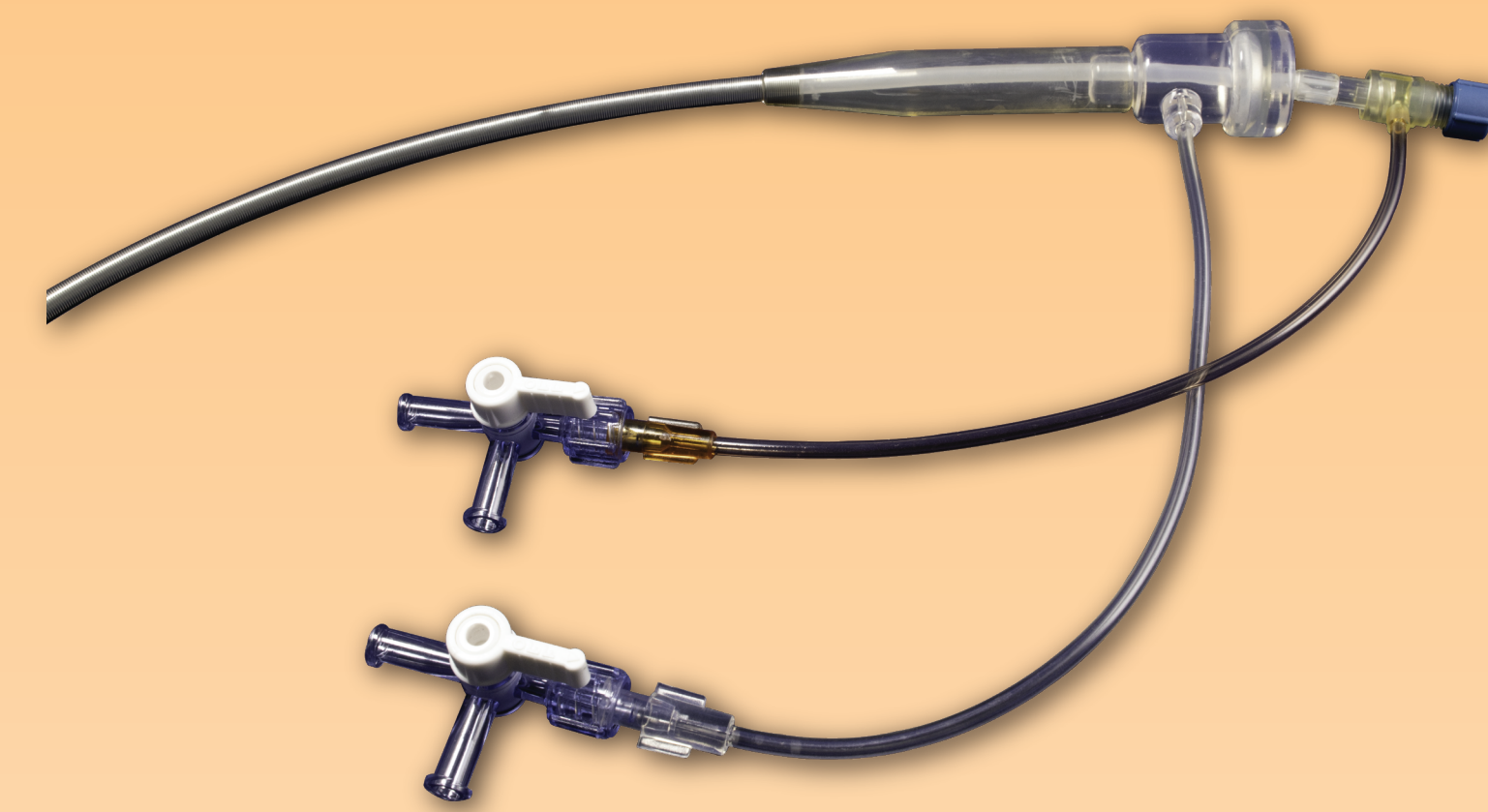


## Step 1

- IABP Console: Setup as indicated in the IFU.
- Patient: Minimum ACT 200 seconds, femoral artery control, ECG signal and arterial pressure to IABP driver.
- Replace the inner tube with PTFE inner tube provided. WARNING: do not damage the bidirectional valve.
- Flush the lines with heparinized saline and make sure all stopcocks are in the OPEN position.

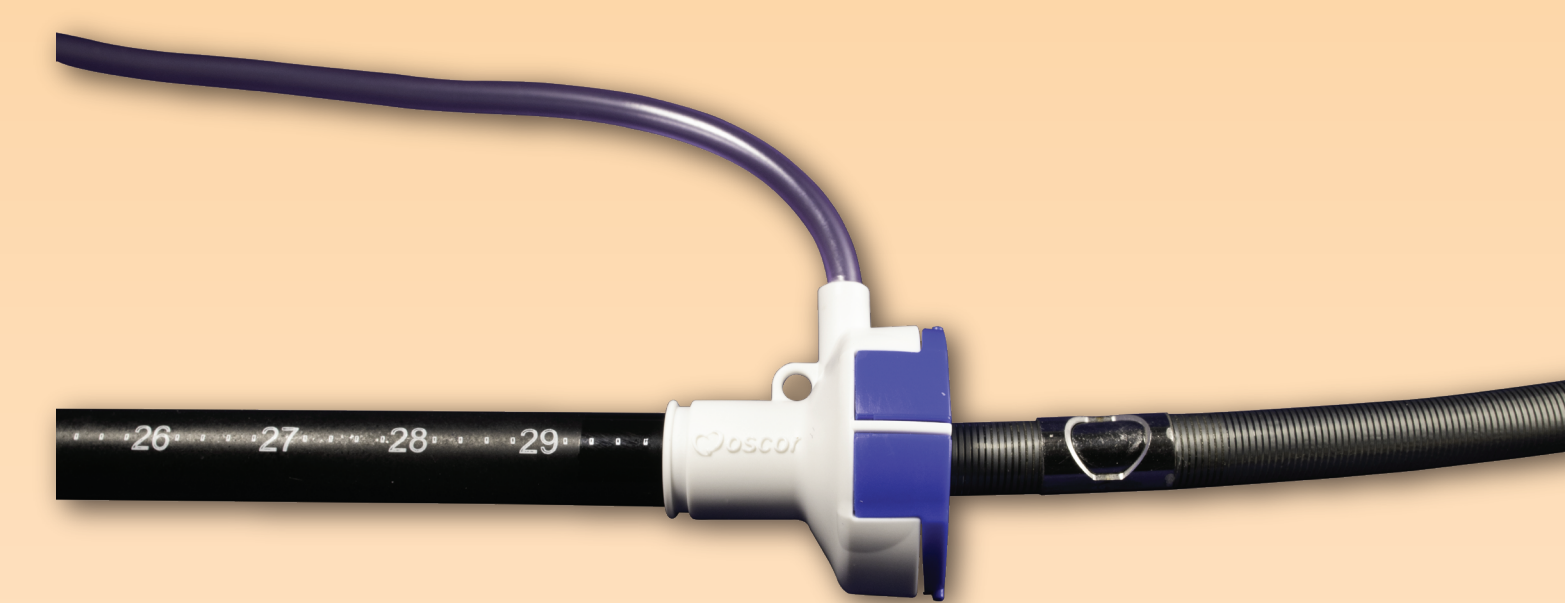


- De-air the membrane pump filling completely with heparinized saline - the flexible membrane must move entirely to the opposite site of the membrane pump.



## Step 2

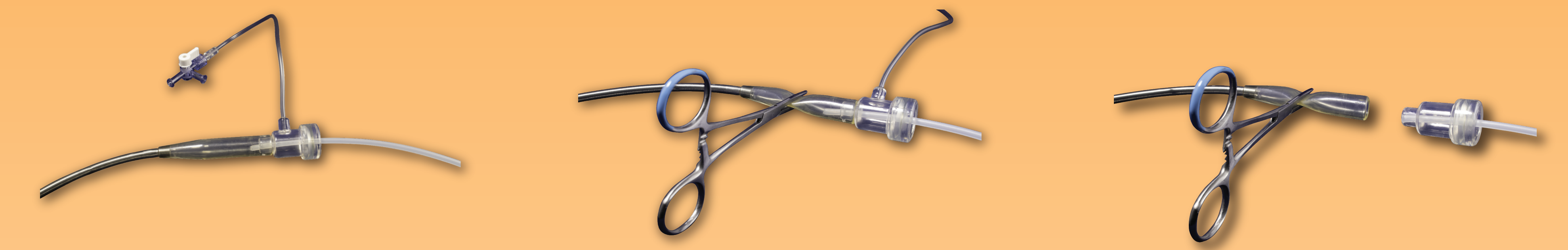
- Prepare the entrance site in the femoral artery according to the hospital standard procedure to manage large bore sheaths.
- Prepare and implant a closure device for large bore access.
- Prepare and insert the 18Fr introducer sheath following its Instructions for Use.
- Position the guide wire in the left ventricle.
- Insert the iVAC 2L catheter over wire through sheath, de-air the catheter and close the stopcocks.



- Position carefully the iVAC 2L tip 2-3 cm inside the left ventricle.
- When positioning is correct, remove the guidewire.

## Step 3

- Pull back the PTFE inner tube until the tip of the tube is in the plug at the proximal end of the iVAC 2L catheter.
- Place a tube clamp in the middle of the iVAC 2L catheter connector and disconnect the plug with the iVAC 2L catheter inner tube.



- Connect the membrane pump to the catheter using a wet-to-wet connection technique. If no air is visible remove the clamp.



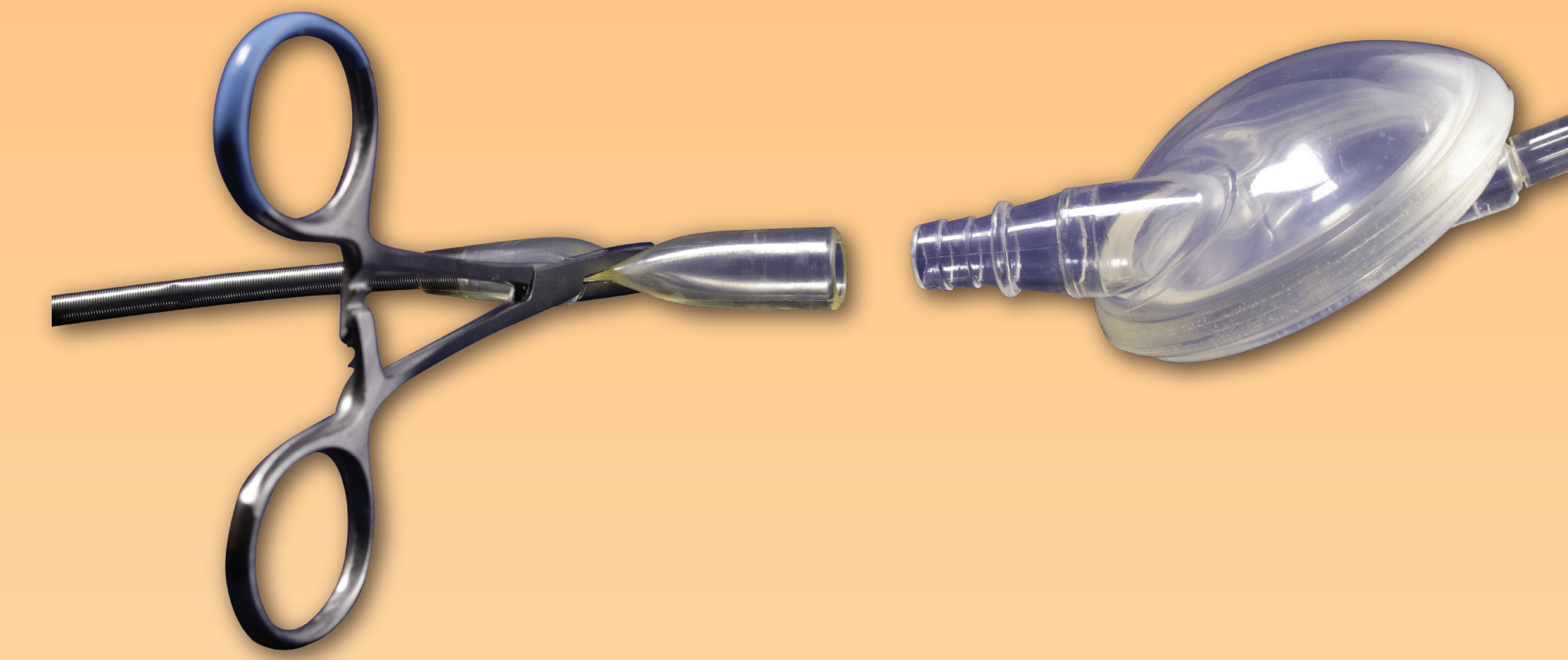
- Using the IAB catheter extender, connect the membrane pump to the IABP driver.
- Start pumping @ 1:1 with maximal augmentation, adjust timing.



## Step 4

### Removal of iVAC 2L

- Wean the patient setting support @ 1:2, if tolerated well, STOP pumping.
- Place a tube clamp on the iVAC 2L catheter connector, using a syringe connected to the gas line of the membrane give the blood volume in the membrane pump back to the patient.



- Under fluoroscopic guidance slowly remove the iVAC 2L.
- Remove the 18Fr sheath following its Instructions for Use.
- Close the artery. After hemostasis is obtained close the wound.

## Material Required

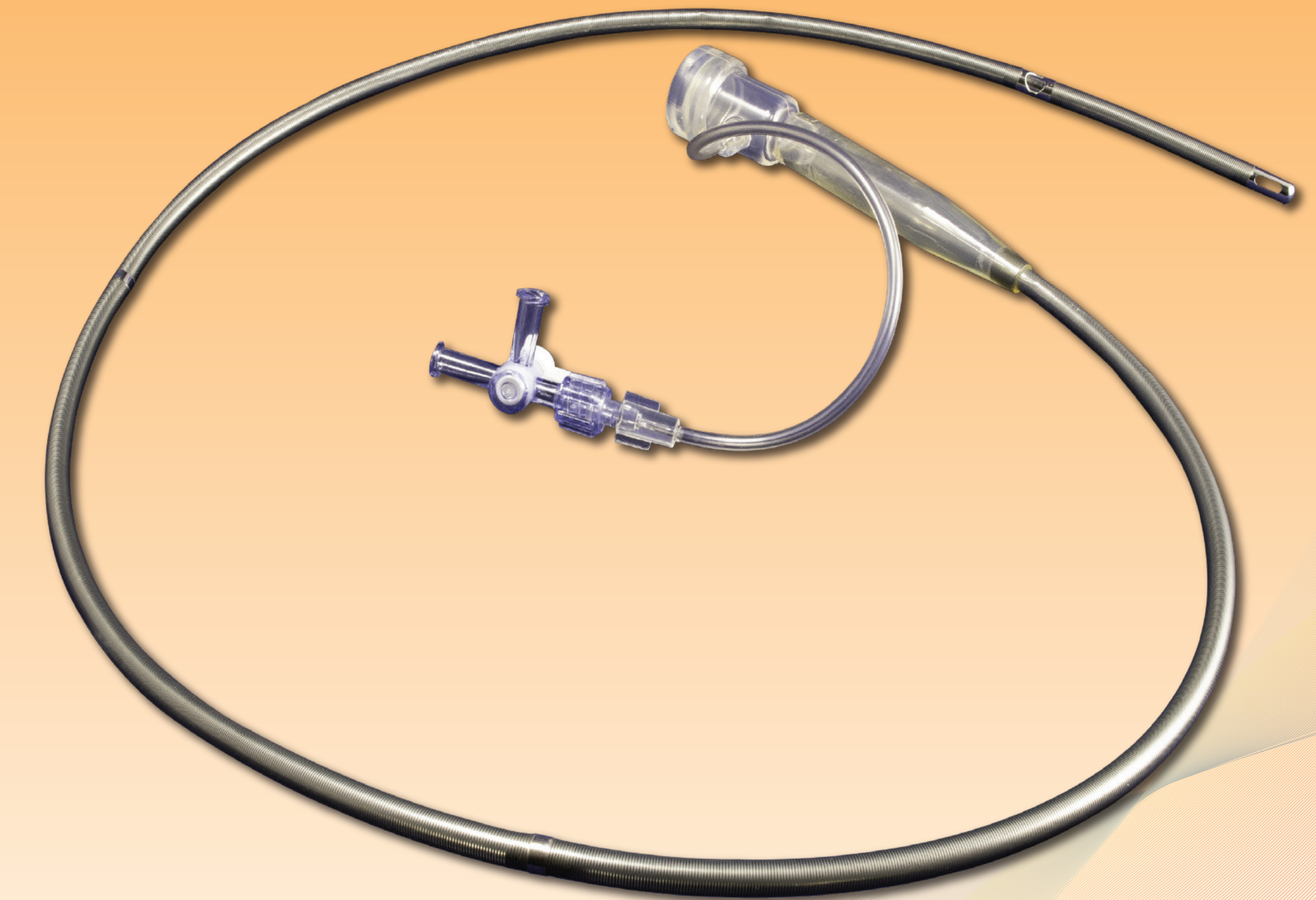
- iVAC 2L Catheter.
- Membrane Pump.
- PTFE Inner Tube & IAB Catheter Extender.
- 18Fr Introducer Sheath.
- 50cc Syringe.
- 16mm Metal Clamp.



- IABP console.
- 0.035" or 0.038" guidewire, length 260cm (super stiff).
- Heparinized saline (2500 IU heparin in 500ml saline).
- Closure device for large bore.

## Overview Procedure

### iVAC 2L - pVAD



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