Pulmonary Artery Catheter [Swan Ganz] CBE

HEC Approval SW
1/28/2015 revised 1/2018
Helpful Hints YES

Name:_____ **Unit:**_____

Initials
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1) Gather Equipment / Perform Hand Hygiene
2) Describe introducer insertion technique [CLABSI BUNDLE]
3) Set up pressure bag / transducer
4) Demonstrate Actions prior to Catheter Insertion
1) Place **Steri sleeve** over catheter [by MD]
2) **Inflate balloon with 1.5 mL air:** Check balloon for leaks and uniformity
3) Connect Transducer / Pressure tubing to catheter
4) Prime / Flush all ports
PA distal [yellow port] Fluid will exit at end of catheter
CVP Proximal [blue port] Fluid will exit below 30cm mark
VIP [Venous Infusion Port] [White port] with 10 mL NS syringe
Fluid will exit above 30cm mark
5) **Shake** the catheter tip: assess for sharpness of waveform
5) Identify the markings on the Catheter
6) Identify Insertion / position technique
Balloon is INFLATED while advancing [floating forward]
Balloon is DEFLATED while withdrawing [pulling back]
7) Trace the catheter through the heart: Identify waveforms and values on insertion
8) Demonstrate Plastic Sheath locking mechanism with Introducer and PA Catheter
9) Obtain Waveform Readings [Zero & Level transducer]
10) Demonstrate Corrective Actions for the Following
- Distinguish Dampened waveform vs possible permanent Wedge waveform
- Wedge Tracing seen on monitor
- Dampened PA tracing
- Over Wedge [superwedge]
- Distinguish between a catheter that needs to be advanced vs Ruptured balloon
- Right ventricular waveform
- Recognize Pulmonary Hypertension
- Recognize Mitral Valve Insufficiency / Regurgitation in the WP Waveform

11) Identify acceptable fluids / medications through the following lumens
- Side arm port of introducer:
- Distal PA Port [yellow]
- Proximal CVP Port [blue]:
- Venous Infusion Port [white]
- RV Pacer Port [orange port] rare

12) Setup and Obtain Cardiac Output [CO] Readings Thermodilution Method
- Set monitor to obtain CO reading

13) Identify calculations & values for the following parameters
- SV
- CO
- CI
- SVR

14) Obtain a mixed venous blood gas
15) Describe discontinuing pulmonary artery catheter / removal
16) Discontinue the PA catheter but keeping the Introducer
a. Obturator
b. SLIC Single Lumen Infusion Catheter [MD / PA / NP placement only]

Reviewer's Signature: _____ **Date:**_____