

US-Guided CVC Placement

Initial Script: You are taking care of an Ebola patient who is critically ill and needs a R IJ CVC. For the purpose of this simulation, the patient is intubated, no local anesthesia is indicated. An ultrasound is available.

Logistics

Start

MD is led to "patient" bedside and confederate greets him/her
"Are you here to place a central line?"



Preparation

1. Prepare US
 - a. US gel
 - b. Sterile cover
2. Prep patient
 - a. Sterile drape
 - b. Chloroprep
3. Prep line
 - a. Place Luer lock
 - b. Flush line
4. Prep self
 - a. Sterile gown
 - b. 2nd layer gloves



CVC Placement:

1. Consent confirm
2. Time out completed
3. IJ site confirmed with US
4. Needle inserted into IJ using US guidance method
5. Wire placed and confirmed in place with US
6. Needle removed and stored appropriately
7. Dilator deployed
8. Catheter advanced over wire
9. Wire removed and stored appropriately
10. Catheter checked for blood return
11. Catheter line flushed
12. Catheter secured
13. Sharps safely disposed



Supplies

1. Central line kit
2. Central line cart
3. US machine
4. Sterile gown
5. Sterile gloves
6. Saline Flush

Length:

10 minutes/sim

Patient (SimMan 3G)

1. Gown
2. Sheet
3. IV in place

Environment

1. Central line cart
2. Oxygen headwall
3. Bedside table
4. Airway cart

Set up: Mannequin in stretcher, central line trainer next to mannequin

Notes:

End: All sharps are safely disposed of and materials are cleaned up