

| Document Code: | DPOTMH-I-22-P01-S05 |
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| Effective Date: | 07-31-2022 |
| Document Type: | Standard Operating Procedure |
| Page Number: | 1 of 3 |
| Department/Section: | Intensive Care Unit |
| Document Title: | ASSISTING IN THE INSERTION OF CENTRAL LINE |

PURPOSE:

To outline steps in assisting the proper insertion of central line to the patient.

SCOPE:

Applies to all Intensive Care Unit Staff of Dr. Pablo O. Torre Memorial Hospital (DPOTMH)

RESPONSIBLE PERSON:

Staff Nurses, Intensivists, Consultants, Nursing Students and Clinical Instructor

PROCEDURE:

- 1. The Nurse on duty verifies doctor's order.
- 2. The Attending Physician or Resident on duty secures an informed consent from the patient or the patient's significant others. The Attending Physician and/or Resident on duty and/or Nurse review/s the risks and benefits of this procedure and answers all the questions raised by the patient and significant others.
- 3. Health care team members perform medical asepsis.
- 4. The Nurse on duty prepares materials needed for the procedure.
- 5. The Attending Physician explains the procedure to the patient.
- The Nurse on duty positions the patient.
- 7. The Nurse on duty checks vital signs as baseline.
- 8. The Attending Physician prepares and stabilizes the site.
- The Nurse on duty provides yellow plastic bags for easy disposal of wastes during the procedure and assists the physician when the procedure is performed.
- 10. The Attending Physician adequately prepares the insertion site with betadine.
- 11. The Attending Physician cannulates the subclavian, internal jugular or femoral vein using a guide wire and dilators to place central line catheter (or sheath of correct size to allow passage of) which is then removed. All lumens of the line are aspirated (to ensure that they are all positioned inside the vein), flushed and locked with heparin solution.



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- 12. The Attending Physician sutures the catheter to the skin close to the point of insertion and covers it with a dressing.
- 13. The Nurse on duty arranges a chest x-ray to confirm a satisfactory position of the wire and to exclude a pneumothorax (as typically ordered).
- 14. The Nurse on duty monitors vital signs and refers any significant deviation from the baseline vital signs.
- 15. The Nurse on duty disposes used materials with accordance to the ICU guidelines on waste disposal.
- 16. The Nurse on duty ensures that the procedure is charged.



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| KEY TASKS | PERSON RESPONSIBLE | | |
|--|--------------------------|--|--|
| 1. Verifies doctor's order. Positions the patient. | | | |
| 2. Prepares materials needed for the procedure and checks vital signs. | | | |
| 3. Provides yellow plastic bags for easy disposal of wastes. Staff Nurse | | | |
| 4. Arranges a chest x-ray to confirm a satisfactory position. | | | |
| 5. Monitors vital signs and refers any significan deviation. | t | | |
| 6. Secures informed consent from patient of patient's SO. | r | | |
| 7. Reviews the risks and benefits of the procedure and answers questions raised by patient and SO. | - Attending Physician or | | |
| 8. Performs medical asepsis. Explains the procedure to the patient. | | | |
| 9. Prepares and stabilizes the site. Prepares the insertion site with Betadine. | е | | |
| 10. Cannulates the patient. Sutures the wire to the skin close to the point of insertion and covers with a dressing. | e it | | |



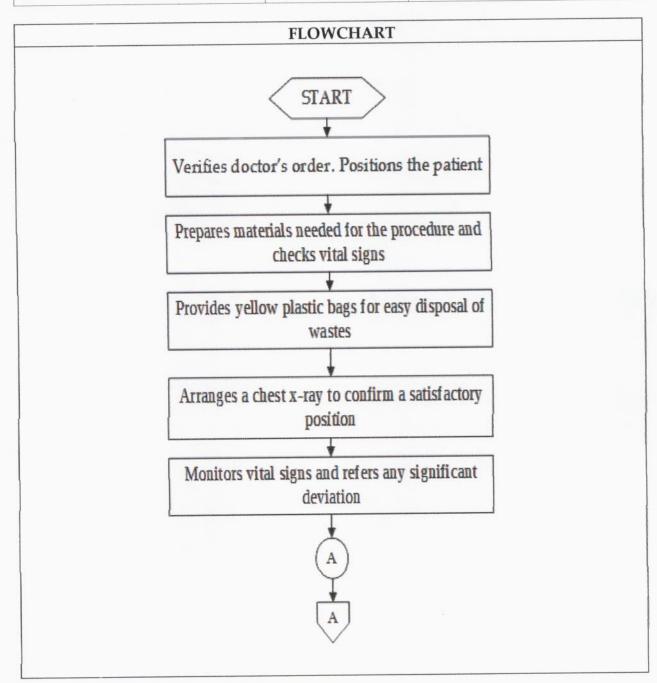
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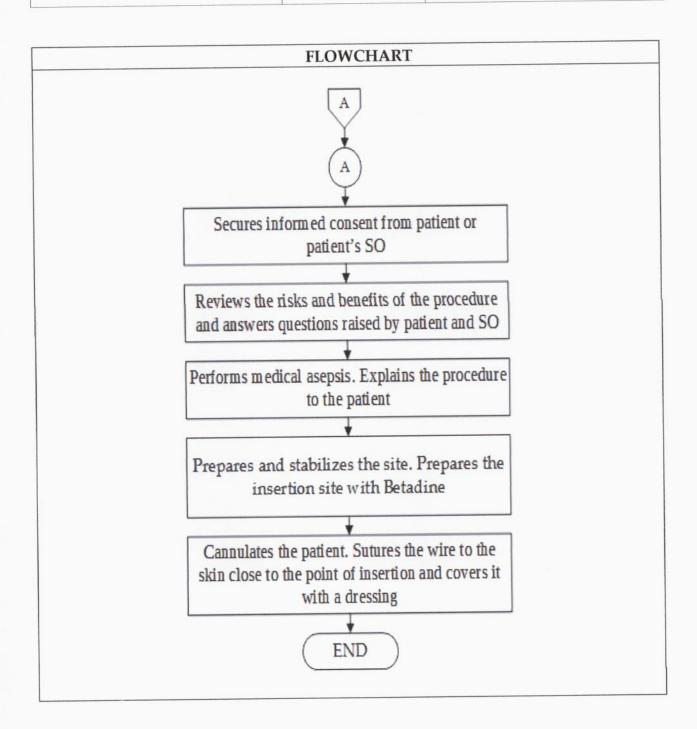


| DPOTMH-I-22-P01-FC05 | |
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| 07-31-2022 | |
| Flowchart | |
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| Intensive Care Unit | |
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