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Effective Date:	09-30-2021			
Document Type:	Standard Operating Procedure			
Page Number:	1 of 5			
Department/Section:	Neonatal Intensive Care Unit			
Document Title:	PREVENTIVE MAINTENANCE OF THE NEONATAL INTENSIVE CARE UNIT			

PURPOSE:

To discuss the procedures involved in performing preventive maintenance in NICU.

SCOPE:

Applies to all departments involved in performing preventive maintenance of the NICU.

PERSON RESPONSIBLE:

Medical Director, Nursing Service Department, Neonatal Intensive Care Unit, Station 11, Infection Prevention and Control Unit, Respiratory Therapy Services, Department of Pediatrics, Department of Obstetrics – Gynecology, Maintenance and Engineering Department, Housekeeping Department, Admitting Personnel, and Information Technology Department.



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PROCEDURE:

- 1. The NICU Head Nurse proposes a schedule for temporary closure of NICU.
- 2. The NICU Head Nurse calls for a meeting together with the multidisciplinary team to discuss the activities for the preventive maintenance and terminal cleaning of the NICU.
- 3. The NICU Head Nurse makes a letter for NICU closure, noted by the Chief Nurse and approved by the Medical Director.
- 4. The approved letter is reproduced and a copy is distributed to the different departments: Nursing Service Division Office, Station 11, Infection Prevention and Control Unit, Respiratory Therapy Services, Engineering Department, Housekeeping Department, Admitting Section, Billing Section, Department of Pediatrics, Department of Obstetrics-Gynecology, and Information Technology Department.
- 5. The Engineering Department does an ocular inspection in the area and gives the allotted number of days for the repair, repainting, and maintenance.
- 6. The Housekeeping Department gives the allotted number of days for terminal cleaning.
- 7. The Admitting Personnel reserves 3 rooms (Rooms 354, 355, 356) at Station 11 for the long-staying patients after these rooms are cleaned by process of terminal cleaning.
- 8. IT department is then notified for computer pull out and cleaning. The computer units are stored in the NICU Triage Room.
- 9. One day before the scheduled closure, long-staying patients are transferred to Station 11 while the currently admitted NICU patients are transferred Station 11.
- 10. The Housekeeping Personnel transfer out the medical equipment and move them into the NICU Triage Room (temporarily converted as NICU).
- 11. Vacated NICU Complex is endorsed to the Engineering and Housekeeping Department.
- **12.** Infection Prevention and Control Unit (IPCU) is notified for infection control measures once NICU complex is vacated.



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- 13. Engineering Department undertakes the preventive maintenance and repair of the NICU complex which includes the following: air-conditioning unit, physical set up, electrical repairs, plumbing works, re-painting, etc.
- **14.** After the preventive maintenance, the Engineering Department endorses the NICU Complex to the Head Nurse through a written report.
- 15. The NICU Head Nurse and the IPCU Personnel conduct an ocular inspection to validate the report.
- 16. The Housekeeping Personnel conduct manual cleaning of the NICU Complex.
- 17. The IPCU Personnel evaluate the manual cleaning conducted by the Housekeeping Personnel before all cleaned medical equipment shall be brought back to the NICU prior to misting.
- 18. The non transferable medical equipment are wrapped and sealed with a plastic by the Housekeeping Personnel in preparation for misting.
- 19. The NICU Head Nurse and the IPCU Personnel endorse the NICU Complex to the housekeeping for terminal cleaning.
- **20.** The IPCU Representative oversees the housekeeping personnel during the process of terminal cleaning of the NICU Complex.
- 21. After terminal cleaning, the Housekeeping Personnel makes an endorsement of the NICU Complex to the IPCU for checking and approval.
- 22. The IPCU Personnel endorses the NICU Complex to the Head Nurse through a written report.
- 23. The IT Personnel assembles the cleaned computer units and circuits in the NICU wearing Personal Protective Equipment.
- 24. The NICU Head Nurse notifies the Nurse Supervisor, Chief Nurse, Medical Director, Department of Pediatrics, Department of OB-GYN, that the NICU is ready to resume operation.
- 25. NICU Head Nurse informs the Admitting Section and IT Department that it is ready for occupancy.
- 26. NICU Complex resumes normal operation.



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- Patro, P., Kothari, N., & Mohanty, N. (2016). Infection control protocol in NICU suitable for a peripheral newborn care unit. *The Journal of Community Health Management*, 3(3), 103. https://doi.org/10.5958/2394-2738.2016.00023.6
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