



HEALTH HOLDING

HAFER ALBATIN HEALTH  
CLUSTER  
MATERNITY AND  
CHILDREN HOSPITAL

<b>Department:</b>	Neonatal Intensive Care Unit (NICU)		
<b>Document:</b>	Multidisciplinary Policy And Procedure		
<b>Title:</b>	Portable X-Rays in NICU		
<b>Applies To:</b>	All NICU Staff and X-ray Technicians		
<b>Preparation Date:</b>	January 12, 2025	<b>Index No:</b>	NICU-MPP-055
<b>Approval Date:</b>	January 26, 2025	<b>Version :</b>	2
<b>Effective Date:</b>	February 26, 2025	<b>Replacement No.:</b>	NICU-DPP-055 (1)
<b>Review Date:</b>	February 26, 2028	<b>No. of Pages:</b>	2

## 1. PURPOSE:

- 1.1 To obtain radiographs safely in NICU.

## 2. DEFINITIONS:

- 2.1 **Portable X-Ray** is mobile radiographic units consist of a wheeled cart that transports an x-ray generator (line- or battery-powered transformer), an x-ray tube and moveable tubestand, collimators, and a film-cassette or flat-panel detector storage drawer On some units, the x-ray exposure is powered directly from the line voltage.

## 3. POLICY:

- 3.1 There must be written Physician's order.

## 4. PROCEDURE:

- 4.1 Verify the order and reason for the X-Ray.
- 4.2 Call the Radiology department and the technologist will bring the portable machine to the bedside.
- 4.3 Radiology technologist and nurse will perform hand hygiene as per protocol.
- 4.4 Position the newborn, shielding reproductive organs.
- 4.5 Hold the newborn in position while the X-Ray is being taken.
- 4.6 Reposition the newborn after the X-Ray in a position of comfort.
- 4.7 Follow up with the X-Ray results and notify Physician of results.
- 4.8 Documentation:
  - 4.8.1 Time/ date and type of X-Ray obtained.
  - 4.8.2 Newborn's response to the procedure and comfort measures given.
  - 4.8.3 If physician notified of the results,

## 5. MATERIALS AND EQUIPMENT:

- 5.1 Portable X-ray machine
- 5.2 Lead protector
- 5.3 Mobile-leaded glass barrier

## 6. RESPONSIBILITIES:

- 6.1 Physician
- 6.2 Nurse
- 6.3 Radiology Technician

## 7. APPENDICES:

N/A

## 8. REFERENCES:

- 8.1 Ministry of Health, Policies and Procedures in Neonatology, Guidelines in Neonatal Care, page no: 301
- 8.2 [https://www.who.int/medical\\_devices/innovation/hospt\\_equip\\_26.pdf](https://www.who.int/medical_devices/innovation/hospt_equip_26.pdf)

## 9. APPROVALS:

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