



DR. PABLO O. TORRE
MEMORIAL HOSPITAL

RIVERSIDE MEDICAL CENTER, INC.



METRO PACIFIC HEALTH
THE HEART OF FILIPINO HEALTHCARE

DEPARTMENT: Ancillary Division		POLICY NUMBER: DPOTMH-MPP-HEMO-P012 (01)	
TITLE/DESCRIPTION: POLICY ON PREVENTION OF HEPATITIS AND OTHER INFECTIOUS DISEASES IN HEMODIALYSIS			
EFFECTIVE DATE: May 30, 2025	REVISION DUE: May 29, 2028	REPLACES NUMBER: HEMO-QP-39	NO. OF PAGES: 1 of 7
APPLIES TO: Hemodialysis Unit, Medical Services Division, IPCU		POLICY TYPE: Multi disciplinary	

PURPOSE:

To outline the comprehensive infection control protocols for preventing the transmission of Hepatitis, HIV and other infectious diseases in the Hemodialysis Unit (HDU). It aims to ensure the protection of patients, healthcare workers, and visitors by implementing standard precautions, including regular updates to Hepatitis profiles, the proper use of personal protective equipment (PPE), and the application of transmission-based precautions to reduce the risk of Healthcare-Associated Infections (HAIs), especially Hepatitis B and C, in the Hemodialysis Unit.

DEFINITIONS:

Hepatitis B - A viral infection that attacks the liver and is spread through blood and bodily fluids.

Hepatitis C - A liver disease caused by the Hepatitis C virus (HCV), primarily transmitted through infected blood.

Human Immunodeficiency Virus (HIV) – A virus that attacks the immune system and is transmitted through blood, semen, vaginal fluid, and breast milk.

Seroconversion – Refer to the process where antibodies for a specific pathogens or antigen become detectable in a person's blood after exposure or infection.

Universal Precautions - An infection control practice that assumes all blood and body fluids are potentially infectious and requires the use of PPE and other safety measures.

Healthcare-Associated Infection (HAI) - Infections patients acquire while receiving treatment for other conditions within a healthcare setting.

Personal Protective Equipment (PPE) - Specialized clothing or equipment worn to protect against infectious materials.

RESPONSIBILITY:

Hemodialysis Personnel, Attending Physician, Infection Prevention and Control Unit (IPCU) Personnel, Department Heads and Supervisors

POLICY:

A. Hepatitis Profile Update

1. The Hepatitis profile of all Hemodialysis patients shall be updated every six months and verified medically.
2. The Hepatitis profile of healthcare workers shall be updated annually and verified medically.
3. Both patients' and healthcare workers' Hepatitis profiles shall be confidential.
4. Hemodialysis Personnel shall avoid cross-contact between patient stations.





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B. Infection Control Measures

1. **Hand Hygiene:** Mandatory hand hygiene for all healthcare workers before and after patient contact, before handling medications, and after exposure to body fluids.
2. **Personal Protective Equipment (PPE):** Appropriate PPE shall be worn based on the patient's infection risk, including gowns, gloves, face shields, and masks. During catheter dressing sterile gloves will be used.
3. **Transmission-Based Precautions:** Follow precautions for patients with confirmed Hepatitis B or C, including isolation and dedicated dialysis machines.
Dedicated machine shall be assigned for Hepatitis B or C positive patients:
 - Machine 1, 2, and 3 for Hepatitis B Positive
 - Machine 4 and 5 for Hepatitis C, HIV Positive – Single use dialyzer for HIV positive.
 - Machine 9 (neutral machine for STAT patient and no current hepatitis profile/ serology results)Dedicated Equipment: Hepatitis-positive patients shall use designated dialysis machines to prevent cross-contamination.
4. **Environmental Cleaning:** Housekeeping and Hemodialysis Renal Nurse-in-Charged of the cleaning and disinfection of the dialysis unit, including machines and other high-touch surfaces, between treatments.
5. The Hemodialysis Staff shall ensure fully stocked PPE station. They shall use only dedicated supplies per patient.

C. Training, Audit and Compliance

1. Annual training on infection control and proper use of PPE is mandatory for all staff.
2. Compliance with hand hygiene and PPE protocols will be monitored through regular audits by IPCU staff.
3. IPCU shall conduct regular spot audits in the HDU.
4. Findings shall be included in audit reports.
5. Audit reports and findings shall be submitted to the HD Unit Head monthly.



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PROCEDURE (SOP):

1. For patient screening, the Hemodialysis Renal Nurse checks Hepatitis Profile (HBsAg, Anti-HBs, Anti-HCV) and Anti-HIV of the patients.
2. The Hemodialysis Renal Nurse flags and isolates Hepatitis B/C and HIV positive patients.
3. The Hemodialysis Renal Nurse designate the dedicated machine for Hepatitis B/C and HIV positive patients.
4. The Hemodialysis Renal Nurse ensures proper labeling of designated equipment with color-coded tape:
 - Green color tape for Hepatitis B machines, dialyzer and processing machine.
 - Yellow color tape for Hepatitis C machine, dialyzer and processing machine.
 - For HIV positive:
 - Single use dialyzer
 - All disposable items and dialyzers will be properly discarded.
5. The Hemodialysis Renal Nurse prepares the machine with appropriate disinfectant and settings.
 - Triple disinfection (30 minutes each disinfection)
 - Disinfectant: Citric acid
6. The Hemodialysis Renal Nurse performs hand hygiene (WHO 5 Moments) and dons appropriate PPE: gloves, gown, mask, face shield (if required).
7. During dialysis, the Hemodialysis Renal Nurse monitors patients for infection symptoms or breaches.
8. Post-dialysis: The Hemodialysis Renal Nurse removes and disposes the PPE properly.
9. The Hemodialysis Renal Nurse performs hand hygiene and disinfects machine and its surrounding area.
10. The Hemodialysis Renal Nurse documents procedure in dialysis chart and logbook.
11. The Unit Head or the Attending Physician educates Hepatitis and HIV positive patients on transmission and precautions.



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WORK INSTRUCTION:

KEY TASK	PERSON RESPONSIBLE
1. Checks Hepatitis Profile (HBsAg, Anti-HBs, Anti-HCV) and HIV of the patients.	Hemodialysis Renal Nurse
2. Flags and isolates Hepatitis B/C and HIV positive patients.	
3. Assigns dedicated machine for Hepatitis B/C and HIV positive patients.	
4. Ensures proper labeling of designated equipment with color coded tape.	
5. Prepares the machine with appropriate disinfectant and settings	
6. Performs hand hygiene (WHO 5 Moments) and dons appropriate PPE: gloves, gown, mask, face shield (if required).	
7. Monitors patients for infection symptoms or breaches.	
8. Removes and disposes the PPE properly.	
9. Performs hand hygiene and disinfects machine and its surrounding area.	
10. Documents procedure in dialysis chart and logbook.	
11. Educates Hepatitis and HIV positive patients on transmission and precaution	HD Unit Head or the Attending Physician
12. Conducts regular spot audits in the HDU.	IPCU Personnel





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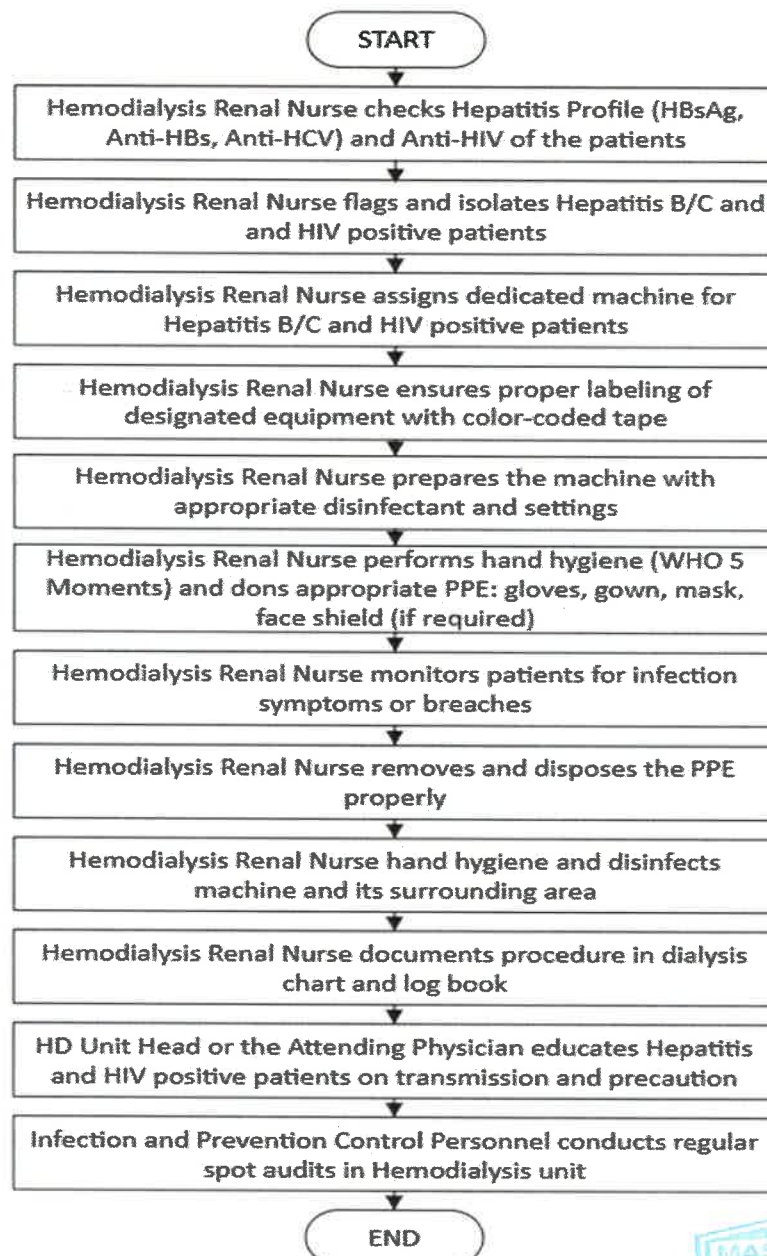
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WORK FLOW:





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FORMS: N/A

EQUIPMENT: N/A

REFERENCES:

HEMO-QP-39





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