KINGDOM OF SAUDI ARABIA Ministry Of Health General directorate of Health Affairs AL-Baha Mayyara General Medical Complex



المملكة العربية السعودية وزارة الصحة المديرية العامة للشئون الصحية بمنطقة الباحة مجمع ميارا الطبي العام

☐ ADMINISTRATE POLICY & PROCEDURE (APP)		☐ INSTITUTIONAL POLICY & PROCEDURE (IPP) ☐ INTERDEPARTMENTAL ☐ INTERNAL		
TITLE			POLICY NUMBER/V#	
Emergency Radiation Protection Plan Policy			MMC-RAD- 04(01)	
INITIATED DATE	EFFECTIVE DATE		REVISED DATE	
02/08/2025	01/09/2025		01/08/2028	
REPLACES NUMBER			NO. OF PAGES	
N/A			05	
APPLIES TO		RESPONSIBILITY		
Radiology department		Radiology staff		

1. Purpose

This policy establishes procedures to protect personnel, the public, and the environment from radiation hazards during emergencies, ensuring compliance with regulatory requirements and minimizing exposure risks.

2. Scope

Applies to all employees, contractors, and visitors in facilities where radiation sources are used, stored, or transported.

3. Responsibilities

- Radiation Safety Officer (RSO): Oversees emergency response, ensures compliance, and coordinates with authorities.
- Emergency Response Team (ERT): Trained personnel responsible for containment, evacuation, and decontamination.
- Employees: Must follow safety protocols and report incidents immediately.

4. Emergency Procedures

KINGDOM OF SAUDI ARABIA Ministry Of Health General directorate of Health Affairs AL-Baha Mayyara General Medical Complex



المملكة العربية السعودية وزارة الصحة المديرية العامة للشئون الصحية بمنطقة الباحة مجمع ميارا الطبي العام

A. Immediate Actions

- 1. Identify the Hazard: Confirm radiation source, type (alpha, beta, gamma), and severity.
- 2. Alert Personnel: Activate alarms and notify the RSO/ERT.
- 3. Isolate the Area: Restrict access using barriers or evacuation.

B. Evacuation & Sheltering

- Evacuate if the source is uncontained (follow designated routes).
- Shelter in place (close windows, shut ventilation) if evacuation poses higher risk.

C. Personal Protection

- Use PPE (lead aprons, gloves, respirators) as per the hazard level.
- Maintain safe distance from the source.

D. Decontamination

- Personnel: Remove contaminated clothing; wash skin with water/soap.
- Equipment/Area: Isolate and decontaminate using approved methods.

E. Medical Response

- Provide first aid for injuries.
- Arrange medical screening for potential exposure (e.g., thyroid monitoring for I-131).

5. Communication

- Internal: Notify all affected personnel via alarms/PA systems.
- External: Report to regulatory bodies (e.g., NRC, IAEA) if required.

6. Training & Drills

N/A

KINGDOM OF SAUDI ARABIA Ministry Of Health General directorate of Health Affairs AL-Baha Mayyara General Medical Complex



المملكة العربية السعودية وزارة الصحة المديرية العامة للشئون الصحية بمنطقة الباحة مجمع ميارا الطبي العام

APPROVALS & REVIEWS:					
Prepared By	Title	Date	Signature		
Mr. Osman Babiker Malik	Radiology specialist	02-08-2025			
Reviewed By					
Dr. Mostafa Mohammed Osman	Quality Director	02-08-2025			
Approved By					
Dr. Abdulmajeed Abdullah Saleh	Medical Director	02-08-2025			
Eng. Meshaal Hussein Alghamdi	Executive Director	02-08-2025			

Emergency Radiation Protection Plan Policy