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# Cardiac Catheterization Lab Regulations

**Empowerment And Health Compliance Department**

**Ministry Of Health And Prevention**

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## Acknowledgment

Ministry of Health & Prevention (MOHAP) is pleased to present the MOHAP Cardiac catheterization lab Regulation which represents a milestone towards fulfilling the MOHAP strategic objective in providing “A world class integrated health system that ensures excellence in health and healthcare for the United Arab Emirates.

The Cardiac catheterization lab regulation places an emphasis on facility design and services criteria with a focus on quality of services and safety of professionals based on the local and federal laws in addition to international accreditation standards. Therefore, this document provides a base for the ministry of health and prevention (MOHAP) to assess the Cardiac catheterization lab performance in the United Arab Emirates and to ensure a safe and competent delivery of services. It will also assist Cardiac catheterization lab in developing their quality management systems and in assessing their own competence to ensure compliance with MOHAP regulatory requirements and the United Arab Emirates (UAE) federal laws.



## I. Scope

This regulation specifies requirements for licensure, competence and safety particular to clinical laboratories subject to licensure under the ministry of health and prevention (MOHAP) establishment law, including semi-governmental, private clinical laboratories.

This Regulation may be amended from time to time at the discretion of MOHAP, and will be referred to as the Cardiac catheterization lab Regulation. The latest edition of the document shall be accessed through the MOHAP website [www.moh.gov.ae](http://www.moh.gov.ae)

## II. Purpose

The MOHAP is the sole responsible entity for regulating, licensing and monitoring all healthcare facilities and healthcare professionals in the United Arab Emirates. Through the development, establishment, and enforcement of this regulation, which matches best practices for operating Cardiac catheterization lab, the MOHAP will ensure provision of the highest levels of quality of laboratory services at all times.

## III. Definitions

**Cardiac catheterization:** A cardiac catheterization lab, also known as a “cardiac cath lab,” is a special hospital room where doctors perform minimally invasive tests and procedures to diagnose and treat cardiovascular disease.

**Disabled People** (also known as special needs) shall mean a personal condition or situation that could make it difficult for a patient to participate fully in their health care, which include disability (physical, intellectual or sensory disability), age affected (either elderly or very young), affected by trauma or affected by medications/drugs.

**Healthcare professional** shall mean healthcare personal working in healthcare facilities and required to be licensed as per the applicable laws in United Arab Emirates.

**Medical Complaint** shall mean expressions of dissatisfaction or concern about a health care service made by patients, or their relatives.



**Panic Value** shall refer to the laboratory findings (results) that are outside the normal range to a degree that may constitute an immediate health risk to the individual or require immediate action on the part of the ordering physician

**Patient** shall mean any individual who receives medical attention, care or treatment by any healthcare professional or admitted in a health facility.



# **CHAPTER ONE:**

## **CARDIAC CATHETERIZATION UNIT**

### **DESIGN REQUIREMENTS**



## 1.0 Physical Facility Criteria

### 1.1 Location

1.1.1 The cardiac catheterization unit may be as a separate unit or located within the Medical Imaging Unit, provided in sterilized environment.

### 1.2 Functional Areas

#### 1.2.1 Reception and waiting area

##### 1.1.1.1 A reception Counter

1.1.1.1.1 There must be a separate dedicated waiting area (Male and Female) for patients and escorts and shall be under staff control.

1.1.1.1.2 Provide a sufficient number of toilets for patients, disabled individuals, their families, and staff.

1.1.2 Changing rooms/Gowning area for staff shall be provided according to the Unit size.

1.1.3 Scrub up facilities with hand-free operation controls shall be provided in the entrance of procedure room.

1.1.4 Gowning area for patients shall be provided and shall accommodate disabled access.

##### 1.1.5 Catheter Laboratory Procedure room

1.1.5.1 The number of procedure rooms will depend on the expected utilization.

1.1.5.2 The minimum area of procedure room is 400 square feet: 37.16 square meters.

1.1.5.3 Procedural Table: Capable to swing 90 degrees (preferred) radiotranslucent with “Slope-saddle” column design that allows for a maximum Trendelenburg/Reverse Trendelenburg of  $\leq 80$  degrees and simultaneous lateral tilt of  $\leq 45$  degrees in positioning support on the surgical table top .



- 1.1.6 Holding, preparation and recovery area or rooms:
  - 1.1.6.1 Size will depend on the expected utilization.
  - 1.1.6.2 Should be arranged to provide visual observation before and after the procedure.
- 1.1.7 Control room area shall be provided and have an enough space:
- 1.1.8 Equipment/Computer room
  - 1.1.8.1 The Equipment/ Computer room should be located with ready access to both the Catheter Laboratory and the Control Room. Equipment/ Computer rooms may be co-located for multiple Catheter Laboratory procedure rooms.
  - 1.1.8.2 The Equipment/ Computer Room size may vary according to the equipment to be accommodated.
  - 1.1.8.3 Special attention to ventilation and cooling of the room is required.
- 1.1.9 Film storage room.
- 1.1.10 Linen room.
- 1.1.11 Designated areas for housekeeping, store, clean utility, dirt utility.
- 1.1.12 Waste Disposal: Hazardous waste must be identified and disposed of in a manner consistent with federal laws in the Laboratories.

## **2.0 General design consideration:**

- 2.1 Surfaces: Interior finish materials: shall comply with local, state and federal regulation
- 2.2 The flooring and ceiling shall be sealed, washable and homogeneous.
- 2.3 Lighting : Should be engineered to the specific application and required covering natural and artificial light
- 2.4 Ventilation: Ventilation and space-conditioning requirements. All occupied areas must be ventilated by natural and mechanical means (air-conditioning).





## 2.5 Safety:

- 2.5.1 Fire alarm notification shall be provided to the host facility while the unit is on-site.
- 2.5.2 The fire alarm system shall comply with minimum requirements for the fire alarm system of the building.
- 2.5.3 Where a fire alarm system is provided, at least one manual pull station shall be provided in the unit or in the connecting passageway where the unit attaches to the building.
- 2.5.4 The facilities should have an Emergency kit on board.

## 2.6 Smoking Policy:

- 2.6.1 Smoking inside the units is strictly prohibited for all professionals and visitors.
- 2.6.2 The facility management is responsible to implement this policy.

2.7 Signboards should be fixed at the main entrance, alerting individuals regarding this policy.

2.8 Radiation protection, shall comply with the requirements of the National Radiation Protection Center and the Federal and Local Authorities Laws.