

## Chapter –III

### Aims and Objectives

**Aim :**

It has been observed that healthcare facilities have begun to initiate management systems but often fail to sustain the system for a long time. The aim of this study is to develop an approach for sustainability of a Quality Management System in the operation theatre complex of a teaching hospital in Pune city.

**Objectives:**

1. To examine the existing Quality Management System (QMS) related to the operation theatre complex.
2. To assess the gap between existing QMS followed by healthcare professionals during perioperative care (Pre-operative, Intra-operative and Postoperative phases) process in the operation theatre complex and standards proposed by healthcare quality organizations [National Accreditation Board for Hospital and Healthcare providers (NABH), World Health Organization(WHO)]
3. To identify the common causes of gaps in perioperative care process with regard to quality management.
4. To identify the variations in quality parameters across all the phases (Initial phase, Mid phase and Late phase) of QMS implementation of OT complex.
5. To assess the perception of healthcare professionals regarding the factors responsible for sustainable quality management system in the Operation Theatre Complex of a teaching hospital.

6. To propose recommendations for sustainability of a quality management system in the operation theatre complex.

**Research Questions:**

1. What is the status of existing quality management system in the Operation Theatre Complex of a teaching hospital of Pune city?
2. What are the gaps between existing quality management practices during the perioperative care of patients with respect to standards?
3. Why do these gaps exist in quality management practices during the perioperative care of patients?
4. What is the trend of variations of quality parameters across all the three stages of the quality management system?
5. What is the perception of multifunctional team regarding the critical factors responsible to sustain the quality management system in the operation theatre complex?
6. How these gaps in management can be bridged and a sustainable quality management system can become a reality?

**Operational Definition:**

- **Operation theatre:** A very important area of an operation theatre complex where surgeries are performed in an aseptic environment.
- **Preoperative Phase:** This phase starts when a patient is posted for surgery after informed consent is taken by the surgeon to before arrival of patient to the actual operation theatre. ( Activities related to preparation of patient in ward + Activities of preoperative holding area of operation theatre complex)
- **Intra operative phase :** Activities of operation theatre where actual surgery is performed.
- **Post operative phase :** Starts from transportation of patient from operation theatre to recovery room and from recovery room to inpatient area or ward.

- **Surgical team:** Healthcare personnel related to surgical procedure (Surgeon, Anesthetist, Resident doctors of department of Surgery and Anaesthesiology, Nurses,MPWs and OT technicians).
- **Factors:** Elements responsible for sustainability of quality management system.
- **Sustainable:** With regard to quality management system that can be continued and evolved with time.
- **Quality Management System:** Integration of planning, policy and practice for quality improvement in operation theatre.