

POST GRADUATE DIPLOMA IN OPERATION THEATRE TECHNICIAN

TRIMESTER I

Objectives:

At the end of the course, the candidate will –

- Acquire the updated knowledge what OT for, and what are the core activities
- Also will know the location and plan of an ideal OT
- Acquired the updated knowledge on Inventory management
- Anesthesia techniques
- Maintenance part of OT for equipment as well as Engineering.
- Acquired the updated knowledge on surgical procedures and different positions of patient.

Syllabus:

1. Role of OT Technician in Operation Theatre: Preparation, Planning and Maintenance.
2. Anatomy and Physiology of Cardiovascular System.
3. Microbiology and its implication with respect to OT.
4. Infection Control and Its importance in surgical procedure.
5. Introduction to Bacteriology, virology and Immunology.
6. Knowledge and Prevention of Hospital acquired infection.
7. Care and Arrangement of Equipment
8. Drugs Preparation
9. Bed Making

10. Distribution of consumables and drugs
11. Decontamination : Scientific Principles
12. Decontamination : Recommended Practices
13. Endoscopes and it's Sterilization
14. Surgical Procedures
15. Indenting, receiving and maintaining consumables.
16. Assisting for different surgical procedure.
17. Surgical suture material.
18. Different Methods of Anesthesia.
19. Fire alarm system and fire prevention.
20. General surgical Principles and Equipment.
21. Types, setting & uses of surgical equipment.
22. Carbonization and Maintenance of surgical equipment.

Reference Books:

1. Textbook of Operation Theatre Technique Written by Dixon.
2. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series
2 , 2013
3. Recommended Guidelines for CSSD 1st Edition Published July 2008, Hospital Sterile Services
Association (India)
4. Teaching and Training for Sterile Services Personnel ISSM
5. Introduction to Sterilization and Disinfection by Gardner and Peel

6. Micro Biology , Fifth Edition TATA Mc GRAW- HILL EDITION 1993
7. OT Technician Training Module of Department
8. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series 2 , 2013
9. Proper Maintenance of Instruments 8th Revised Edition,2005 Instrument Preparation working group – Germany
10. Guide to Care and Maintenance of Surgical Instrumentation @1995 Scanlan International , Inc

Trimester II

Objectives:

At the end of the Trimester the candidate will be

1. Acquired the updated knowledge of OT Preparation and its importance
2. able to understand different process of Operation Theatre
3. Be able to identify surgical sets and its instruments as per the requirement of the operating surgeons.
4. able to prepare drugs and anaesthesia articles.

Syllabus:

1. Hands on for preparation of OT.
2. Identification of anaesthesia and surgical equipments
3. Preparation of emergency drugs
4. Receiving of Patient.

5. Surgical Hand Wash.
6. Preparation of Bed and other equipments.

Reference Books:

1. OT Technician Training Module of Department
2. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series 2 , 2013
3. Proper Maintenance of Instruments 8th Revised Edition,2005 Instrument Preparation working group – Germany
4. Guide to Care and Maintenance of Surgical Instrumentation @1995 Scanlan International , Inc

Trimester III

Objectives:

At the end of the Trimester the candidate will be

1. Acquired the updated knowledge on OT technique.
2. Monitoring techniques
3. Quality assurance program

Syllabus:

1. Quality assurance infection control-traffic control
2. Preparation of standard disinfectant
3. Supervision on HK personnel
4. Receiving material from CSSD and co-ordination.
5. Arrangement of CU

6. Fumigation
7. Physical / Chemical / Biological Indicators
8. Sterile Storage and distribution
9. Importance of documentation
10. Sterilizer Validation.
11. Inventory management of surgical instruments
12. Inventory management of consumables

Reference Books:

1. Sterilization Technology for the health Care Facility from AN ASPEN PUBLICATION.
2. Hand book on Operation Theatre & Asepsis Published by Cochin Ophthalmic Club COC-CME Series 2 , 2013
3. Recommended Guidelines for CSSD 1st Edition Published July 2008, Hospital Sterile Services Association (India)
4. The Guide to Good Manufacturing Practices in National Health Services , Sterile Service Departments ISSM
5. Teaching and Training for Sterile Services Personnel ISSM
6. Introduction to Sterilization and Disinfection by Gardner and Peel
7. Proper Maintenance of Instruments 8th Revised Edition,2005 Instrument Preparation working group – Germany
8. Guide to Care and Maintenance of Surgical Instrumentation @1995 Scanlan International , Inc