



INSTITUTE OF HEALTH CARE MANAGEMENT AND DEVELOPMENT, PESHAWAR

IN

COLLABORATION WITH HEALTH SERVICES ACADEMY ISLAMABAD (DEGREE
AWARDING INSTITUTE, GOVERNMENT OF PAKISTAN)

DIPLOMA IN
CENTRAL STERILE SUPPLY DEPARTMENT
(CSSD)

Introduction

The Central Sterile & Supply Department is the heart of the sterilization activities carried out at General Hospital of KP Pakistan. It provides & supplies sterilize equipment's, linen and other items use for operations & sterile procedures. It receives, checks and cleans the instruments and maintain inventory. It monitors and ensures sterility necessary to prevent cross infection control policy and cross maintain inventory. It maintains record of all cycles and their sterility indicators daily. It is a centralized department which is connected with operation rooms as well as wards of the organization.

Mission

"To have the right item, at the right place, at the right time, in the right condition and always render services."

Objective

The benefits of this model curriculum are to:

1. Understanding the correct way to respond to and prevent disease outbreaks
2. Managing disease through proper sterilization techniques
3. Professionalism in a healthcare setting
4. The components of the healthcare system



5. Safety standards necessary for sterilization

PLAIN AND PRACTICE OF CSSD DIPLOMA COURSE

Topics include:

1. Background knowledge of sterilization
2. Basics of sterilization
3. Coordination of central service staff and operating room staff
 - a. Sterilization
 - b. Disinfection
 - c. Cleaning
 - d. Contamination
 - e. Antisepsis
 - f. Antiseptic
 - g. Collection
 - h. Distribution
4. History of sterilization
5. Methods of disinfections
6. Methods of sterilizations
7. Types of indicators
8. CSSD DESIGN
9. CSSD FUNCTION AND LAYOUT
10. LOCATION OF CSSD
11. PERSONAL PROTECTIVE EQUIPMENTS FOR CSSD STAFF
12. CLEANING OF CSSD
13. DEALING WITH KNOWN INFECTIOUS CASES
14. CLEANING OF MEDICAL DEVICES
15. Zones of CSSD
 - a. Detailed of Soiled zone
 - b. Detailed of Clean zone
 - c. Detailed of Sterilize zone



16. Manual cleaning
17. Instruction for manual cleaning
18. Washer-Sterilizer/Washer-Decontaminator
19. Ultrasonic Cleaning
20. Washer –sterlizer /washer decontaminator
21. Preparation of surgical instruments for procedure
22. Inspection of instruments (Inspecting and Testing)
23. Assembly of instruments
24. Packing of instruments
25. Instruction of clean zone
26. Steam sterlizer
 - a. Loading steam sterilizer
 - b. Unloading steam sterilizer
 - c. Monitoring steam sterilizer
 - d. Sterilization failure can be identified at a number of stages
27. Instructions for reprocessing reusable medical devices

PRACTICALs AND SKILLS

1. How to operate ultrasonic cleaner
2. How to prepare chemicals solutions
3. How to operate washer decontaminators
4. Instructions of different zones
5. How to operate advanced steam sterlizer
6. How to operate plasma sterlizer
7. Packing of surgical sets according to different procedures
8. Packing and storage of linen
9. Closed cart trolleys
10. Operation of mini or table tops autoclaves
11. Uses of seller machine
12. Uses of inspection table for paper wrapping



13. Monitoring steam sterilizer

COURSE DURATIONS: 06 MONTHS

Title	Central Sterile & Supply Department (CSSD)
Course Code	CSSD110
Credit Hours:	3(2+1)
Lectures	32 (Each lecture will of one hour)
Practical:	16
Total Credit hours	48

Teaching and Learning Method:

- a. Lectures
- b. Presentations
- c. Assignments
- d. Tutorials
- e. Class tests
- f. Midterm/final term

Assessment and Test Schedule:

Assessment No.	Week	Assignment	Monthly Test	Presentation
1 st	4 th	Assignment	Assessment Test	
2 nd	8 th	Group Assignment	Assessment Test	Presentation- I
3 rd	12 th	Group Assignment	Assessment Test	
4 th	16 th	Group Assignment	Assessment Test	Presentation-II

S/no.	Category	Percentage
1	Attendance	5%
2.	Assignment	
	Class Test	5%
	Class Presentation	
3	Mid Term Examination	20%
4	Final Term Examination	70%



Total Marks

100

Weighting of assessments/Exams:

ELIGIBILITY CRITERIA

1. Matric (science)
2. F.Sc (pre-medical)
3. Diploma in Surgical Technology
4. BS Surgical Technology

Hospital attachment

- ❖ Khyber Teaching hospital, MTI Peshawar

Program Fee: Rs 50,000/-

- **Address:** Institute of Health Care Management and Development, (Imperial Education System Building) Opposite Roots Millennium Schools System Gul abad, Phase-III Chowk Jamrud Road Peshawar.

For Further Detail Please contact.

Director / Program Coordinator

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