

AFRICA HEALTH CONFERENCE

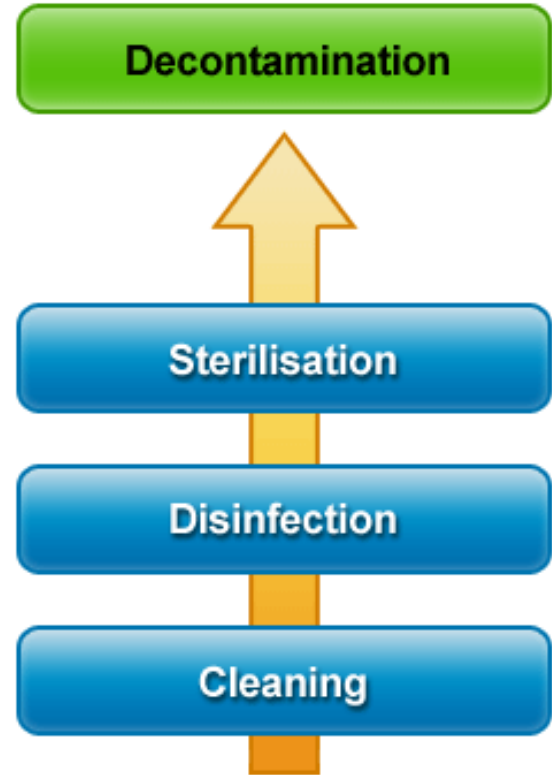
6TH DECONTAMINATION & STERILISATION (CSSD) CONFERENCE

FRANCES HUTCHINSON
LEARNING CENTER MANAGER
MEDICLINIC SOUTHERN AFRICA

WHAT DO WE TEACH OUR STUDENTS ABOUT DECONTAMINATION

DECONTAMINATION BASICS

Let us start with the basics



DECONTAMINATION PRINCIPLES

- Decontamination is a combination of processes that includes:
 - Cleaning
 - Disinfection
 - Sterilisation

DECONTAMINATION

PRINCIPLES

- Decontamination is the most important factor in the preventing hospital acquired infections
- Failing to decontaminate equipment will result in cross-infection
- It will put all our patients at risk
- Failing to wear PPE will put us at risk

DECONTAMINATION

PRINCIPLES

CLEANING

- It involves the act of removing organic material;
- By friction - brushing or rubbing;
- Water/fluids under pressure

DECONTAMINATION **PRINCIPLES**

**ALL ITEMS / OBJECTS HAS TO BE CLEANED
BEFORE ATTEMPTING DISINFECTION OR
STERILIZATION**

DECONTAMINATION PRINCIPLES

DISINFECTION

- Involves the use of physical or chemical processes to reduce, remove, inactivate, or destroy the number of microbes / pathogens

DECONTAMINATION

PRINCIPLES

- **STERILISATION**
 - All microbes, including spores, must be removed or destroyed
 - Usually done with moist heat such as steam autoclaves

DECONTAMINATION **BARRIERS**

- Lack of knowledge; in other words ignorance
- Lack of staff
- Inadequate space
- Too few instruments
- Unreliable equipment

DECONTAMINATION

CSSD

- Central Sterile Supply Departments (CSSD) are known by a variety of names
- Operations in a sterile services department usually consists of the cleaning, disinfection, and sterilization of reusable medical equipment

DECONTAMINATION

OUR MISSION

- To deliver measurable quality training outcomes, governed by sound educational principles, evidence based practice and adherence to legislation
- To contribute to the development of skills relevant to healthcare service delivery nationally

DECONTAMINATION **COURSES WE OFFER**

Variety of courses that includes:

- CPD Courses (4 months)
- Short Courses (6 months)
- In-House Courses (10 months)
- Formal Courses (2, 3 or 4 years)

DECONTAMINATION **CURRICULUMS**

- The curriculum is outcomes-based and follows a student-centred approach
- These courses consist of a theoretical and a clinical component

DECONTAMINATION

CPD COURSES

- CSSD courses for all categories
- CSSD course for Supervisors
- Operating Theatre Nursing – All categories

DECONTAMINATION

COURSE CONTENT

- Personal Hygiene / Environmental Hygiene
- Basic Microbiology
- Receiving of items in CSSD
- Decontamination and Cleaning
- Packaging and Maintenance
- Sterilization Methods
- Storage and Control of Sterilised Packs and Items

DECONTAMINATION

SHORT & IN-HOUSE

COURSES

- Operating Theatre Nursing – EN and RN's only

DECONTAMINATION

COURSE CONTENT

- Asepsis and Infection Control
- Professional and Legal considerations
- CSSD Management
- Training and Computer Skills

DECONTAMINATION

FORMAL COURSES

- Diploma in General Nursing
- Diploma in Operating Department Assistants

DECONTAMINATION

EXIT LEVEL OUTCOMES

- Assist in creating a safe optimum peri-operative environment
- Apply biomedical, biotechnological sciences within the operating department

DECONTAMINATION

FORMAT OF TUITION

- Teaching is contact-based using problem-solving and self study
- Training is accompanied by professional personnel, in simulated and real-life settings
- Teaching is in English
- The curriculum is outcomes-based

DECONTAMINATION

AIM OF TRAINING

To ensure that:

- Everybody follows the correct procedures
- Everyone aware that patient safety comes first
- We all have a common goal – to prevent infections

THANK YOU

REFERENCES:

- Bird, B.T., 2011. *Infection Control and the Central Sterile Supply Department*. [Online]. [Accessed 5 April 2019]. Available from: <https://www.infectioncontroltoday.com/sterile-processing/infection-control-and-central-sterile-supply-department>
- Booth, C., 2000. Principles of decontamination. *Nursing Times*, 96(38):2
- Mediclinic. 2019. *Prospectus – Mediclinic Higher Education*. Stellenbosch: Mediclinic (Pty) Ltd.
- Pettigrew, J. *What are the Three Levels of Decontamination in Infection Control?* [Online]. [Accessed 5 April 2019]. Available from: <https://study.com/academy/lesson/what-are-the-three-levels-of-decontamination-in-infection-control.html>