CLEANING, DECONTAMINATION AND DISINFECTION

THE FAVALORO FOUNDATION: AN EXAMPLE IN ARGENTINA

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STERILIZATION – LAYOUT
HALL OF ENTRANCE TO CLEAN SIDE

Access to
• Preparation
• Packaging
• Sterilization
DECONTAMINATION AND PREPARATION FOR RECOLLECTION
# 1. Preparation for Decontamination

### Step:
- Adequate clothing
- Cleaning technique
- Control
- Hygienic condition

### Instruction:
- Of the manufacturer
- Of use for the patient
- Hygienic norms of the institution

### Documentation:
- Registration of cleaning
- Signature of the responsible technician

### Requirements of human resources:
- Trained personnel (sterilization technicians)
2. REGISTRATION AND TRANSPORT

Step:
• Careful management of each device
• Visual integrity control
• Classification of devices

Instructions:
• Proceeding instructions of C.S.S.
• Infection control regulations

Documentation:
• Registration:
  * Reception
  * Integrity
  * Remarks

Requirements of human resources:
• Trained personnel (sterilization technicians)
• Continuing education about hospital infections

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REGISTRATION AND TRANSPORTATION
TRANSPORT SYSTEM FOR USED DEVICES
RECEPTION DOWNSTAIRS AND DISTRIBUTION TO THE CORRESPONDENT WASHING SECTOR
WASHING SECTOR 1
### 3. MANUAL CLEANING AND DISINFECTION

#### Steps:
- Preparation of cleaning solution
- Disensambling of devices
- Use of washing ensambles

#### Instructions:
- Proceeding instructions of C.S.S.
- Instructions of the manufacturer

#### Requirements of human resources:
- Trained personnel (sterilisation technicians)
- Continuing education for the pharmacist specialised in sterilisation and technicians

#### Documentation:
- Trazability registration in the form
- Registration in work sheets
- Registration of discarted devices

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WASHING SECTOR 1
WASHING SECTOR 1
ENTRANCE TO WASHING TO 2, 3, 4 AND DRYING
WASHING SECTOR 2
SOME DEVICES OF REUSE
TECHNICIAN CONTROLLING CLEANLINESS
TECHNICIAN RINSING A DEVICE
# 4. MECHANICAL CLEANING AND DISINFECTION

<table>
<thead>
<tr>
<th>Steps:</th>
<th>Instructions:</th>
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<tr>
<td>• Selection of the device being treated</td>
<td>• Use described in Procedure Manual</td>
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<tr>
<td>• Selection of the program</td>
<td>• Manufacturer instructions</td>
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<tr>
<td>• Registration</td>
<td>• Registration of service</td>
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<td>• Trained personal (sterilisation technicians)</td>
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<td>• Registration in work sheet</td>
<td>• Permanent education by pharmacist specialised in sterilisation</td>
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<tr>
<td>• Registration of device discard</td>
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MECHANICAL CLEANING AND DISINFECTION IN SECTOR 2
CONTROL BY STF LOAD CHECK INDICATOR
DRYING BY FILTER STERILIZED AIR
FUNCTIONAL CONTROL OF NEBULIZER
HIGH LEVEL DISINFECTION IN SECTOR 4
HIGH LEVEL DISINFECTION

REQUISITS:

• CONTROL OF INTEGRITY
• CLEANING WITH THE PREPARED SOLUTION,
• BRUSHING AND RINSING
• DRYING WITH STERILFILTERED AIR
• INMERSION IN THE HIGH LEVEL DISINFECTANT, ASSURING THE SOLUTION CONTACTS WITH ALL SURFACES.
• RINSE WITH STERILE WATER, DRY WITH STERILE AIR
• AND FINALLY COVER WITH A STERILE TUBE
ULTRASOUND CLEANING IN SECTOR 4
WASHING SECTOR 5
INSTRUMENTS
WASHING SECTOR 5
CARRIAGE FOR TRANSPORTING DEVICES USED IN THE SURGICAL SUITE
VISUAL INSPECTION
5. FUNCTIONALITY CONTROL

Step:
• Check of correct functioning
• Make measures

Documentation:
• Registration of the control realized
• Documenting in work sheets

Instructions:
• Technic of evaluation of functionality
• Manufacturer recommendations

Requirements of human resources:
• Trained personnel (sterilisation technicians)
• Training in the functionality of medical devices
EXAMPLE OF MEASURE
FUNCTIONALITY

• We must know:
  Which is the function
  Where it is to be used
  How it functions
  How we may evaluate its functions correctly
  Who uses it must know exactly how to apply it
INSTRUMENT USED FOR SOME CONTROL
CLEANING VALIDATION BY BIO LUMINESCENCE ESSAY

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THE THREE “R”

REDUCE, REUSE and RECYCLE

The principle of the three “R” is simple:

Don’t buy what you won’t need and reuse what ever you may use again
Our objective is to prove we can get quality assurance through

• Responsibility
• Education
• Dedication