



Healthcare Sterilization and Disinfection Procedures Course

22 – 26 March 2027
Cairo

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Healthcare Sterilization and Disinfection Procedures

Safe reprocessing of reusable healthcare equipment depends on selecting the correct method, controlling every handoff and proving that each cycle met its requirements. This practical one-week course builds a consistent approach to cleaning, disinfection and sterilization across clinical and support services.

Participants learn to classify devices by infection risk, follow manufacturer instructions, control point-of-use care and transport, verify cleaning, select high-level disinfection or sterilization methods, monitor cycles and maintain traceability. The course connects frontline practice with occupational safety, incident escalation and quality assurance.

Through decision exercises, workflow reviews and a capstone control pack, learners turn standards into repeatable procedures that can be audited and improved. Agile Leaders Training Center delivers the course through applied activities designed for real healthcare environments.

Who Should Attend

- Nurses and healthcare assistants involved in reusable device handling
- Sterile processing and decontamination personnel
- Clinical support and theatre personnel
- Infection prevention and quality staff
- Environmental services supervisors
- Care coordinators and healthcare service managers

Departments and Industries

- Hospitals and day-surgery centres
- Clinics and ambulatory care services
- Dental and diagnostic facilities
- Sterile services and central processing departments
- Long-term care and rehabilitation services
- Healthcare quality and infection prevention departments

Learning Objectives

- Classify reusable items using infection-risk categories and choose an appropriate reprocessing pathway
- Apply point-of-use care, safe transport, cleaning, inspection and verification controls
- Select and document disinfection and sterilization processes in line with manufacturer instructions
- Use mechanical, chemical and biological monitoring evidence to support load release
- Maintain packaging, traceability, storage and sterile-barrier integrity
- Recognize deviations, occupational hazards and escalation requirements
- Audit a healthcare reprocessing workflow and propose corrective actions

Course Agenda

Day 1: Foundations and Risk-Based Decisions

- Spaulding Classification Risk Map
- Cleaning-Disinfection-Sterilization Decision Path
- Manufacturer Instructions Review Checklist
- Device Reprocessing Role Boundary Matrix
- Decontamination Flow and Zone Map

Day 2: Point-of-Use Care and Cleaning Controls

- Point-of-Use Pre-Cleaning Checklist
- Safe Collection and Transport Container Guide
- Device Disassembly and Inspection Method
- Manual and Mechanical Cleaning Control Sheet
- Cleaning Verification and Residual Soil Review

Day 3: Disinfection and Sterilization Procedures

- High-Level Disinfection Selection Matrix
- Chemical Disinfectant Contact-Time Record
- Steam Sterilization Load Configuration Guide
- Low-Temperature Sterilization Decision Tool
- Packaging and Labeling Quality Check

Day 4: Monitoring, Traceability and Assurance

- Mechanical Chemical Biological Monitoring Log
- Load Traceability and Release Record
- Storage and Sterile-Barrier Integrity Audit
- Occupational Exposure and Chemical Safety Check
- Deviation Escalation and Corrective Action Tracker



Day 5: Applied Reprocessing Practice

- Suggested Exercise: Spaulding Classification Decisions
- Suggested Exercise: Decontamination Workflow Review
- Suggested Exercise: Cycle Monitoring and Load Release
- Suggested Exercise: Incident and Traceability Review
- Capstone Exercise: Healthcare Reprocessing Control Pack

Practical Exercises

- Classify common reusable items and justify the required reprocessing level
- Map a one-way decontamination workflow and identify cross-contamination risks
- Review monitoring records and decide whether a load can be released
- Build a traceability record for a reusable device and its processing cycle
- Investigate a failed indicator and prepare corrective actions

Frequently Asked Questions

Does the course cover engineering validation of sterilizers?

No. It focuses on operational controls, monitoring evidence, documentation and escalation rather than specialist engineering validation.

Is the course limited to hospital sterile services?

No. The principles apply to hospitals, clinics, dental facilities, ambulatory services and other settings that reprocess reusable healthcare equipment.

Does the course address both chemical disinfection and steam sterilization?

Yes. Participants compare risk-based selection, contact-time controls, load configuration, monitoring and safe handling for multiple methods.

Will participants practise documentation and auditing?

Yes. Exercises include monitoring logs, load-release records, traceability reviews, workflow audits and corrective-action planning.

Conclusion

Participants leave with a practical system for controlling reusable-device reprocessing from point of use through storage, supported by clear decisions, monitoring evidence, traceability and escalation.