

# **Sterilization Technology**

**Target group:** (laboratory) technicians, nurses

**On completion of the course you will be able to:**

- Monitor the functions of decontamination, sterilization, assembly and distribution of medical instrumentation and supplies.
- Advise medical staff and others concerning policies pertaining to sterilization and maintenance of sterile supplies.

**Content:**

**Theory**

- Basic microbiology
- Hygiene, disinfection and sterilization
- Major sterilization methods and validation (wet and dry heat, radiation, chemicals, and filtration)
- Medical instrumentation
- Preparation and package for sterilization
- Sterile storage and distribution
- Infection control
- Medical terminology
- Quantitative aspects of sterility assurance (statistics, effect bio burden, sterility assurance in different sterilization processes, autoclave validation, testing)

**Practice**

- Introduction to aseptic techniques
- Validation of sterilization methods