



Advanced Sharps and Injection Safety Training Course

4 – 8 April 2027
Muscat

Advanced Sharps and Injection Safety Training Course

Ref: 1392_202816 **Date:** 4 – 8 April 2027 **Location:** Muscat **Fees:** 5700 Euro

Overview

Advanced Sharps and Injection Safety Training Course is a one-week advanced course for nurses, physicians, infection prevention professionals, occupational health teams, clinical educators, safety leaders, and managers who leave with a Sharps and Injection Safety Improvement Pack. Participants map injection workflows, evaluate safety-engineered devices, strengthen preparation and disposal controls, coordinate exposure response, analyze injury data, and design measurable improvements. The approach connects patient protection, worker safety, human factors, surveillance, and frontline learning. Agile Leaders Training Center presents sharps and injection safety as an integrated clinical safety system.

Who Should Attend

- Functions responsible for infection prevention and safe clinical practice
- Teams managing occupational exposure and post-exposure pathways
- Functions that select, trial, procure, or implement safer devices
- Clinical educators responsible for competency and practice reinforcement
- Quality and safety teams reviewing incidents, near misses, and trends
- Operational leaders accountable for injection and sharps systems

The course assumes participants already work with injections, sharps, infection prevention, occupational health, clinical education, or safety improvement and leaves out basic injection administration technique.

Departments and Industries

The course serves departments and healthcare settings that prepare, administer, handle, dispose of, or investigate injections and sharps.

- Hospitals, clinics, ambulatory care, and diagnostic services
- Emergency, critical care, operating theatre, and procedural units
- Pharmacy, vaccination, laboratory, and blood-collection services
- Dental, home healthcare, and long-term care settings
- Infection prevention, occupational health, and employee safety functions
- Clinical education, quality improvement, and risk-management teams

Learning Objectives

By the end of this course, participants will be able to:



- Analyze injection and sharps workflows for exposure risk
- Apply engineering and work-practice controls
- Evaluate safety-engineered devices with frontline evidence
- Build disposal, reporting, and exposure-response pathways
- Analyze sharps injury and near-miss surveillance data
- Build a measurable injection safety improvement plan

Course Agenda

Day 1: Injection Safety System Mapping

- Patient, Worker, and Community Safety Boundary Map
- Injection Workflow and Exposure Point Analysis
- Clean Preparation Area Control Checklist
- Single-Use Equipment and Vial Practice Review
- Injection Safety Responsibility Matrix

Day 2: Engineering and Practice Controls

- Hierarchy of Sharps Injury Controls
- Safety-Engineered Device Evaluation Matrix
- Frontline Device Trial and Feedback Protocol
- Needleless and Sharps-Free Option Assessment
- High-Risk Handling and No-Recapping Control Test

Day 3: Disposal and Exposure Response

- Point-of-Care Container Placement Assessment
- Sharps Container Fill and Replacement Control
- Surgical and Nonroutine Sharps Transfer Method
- Immediate Exposure Response Pathway
- Confidential Reporting and Follow-Up Map

Day 4: Surveillance and Improvement

- Sharps Injury Log Data Quality Review
- Injury and Near-Miss Classification Framework
- Human Factors and Workflow Constraint Analysis
- Root-Cause and Control Failure Review
- Leading Indicator and Improvement Dashboard



Day 5: Injection Safety Improvement Practice

- Exercise: Map an Injection Workflow
- Exercise: Compare Safety-Engineered Devices
- Exercise: Test Disposal and Exposure Pathways
- Exercise: Analyze Sharps Injury Surveillance Data
- Capstone Exercise: Sharps and Injection Safety Improvement Pack

Practical Exercises

The course uses scenarios from inpatient care, ambulatory clinics, operating theatres, laboratories, vaccination services, and home healthcare.

- Suggested activity: map preparation, administration, transfer, disposal, and exposure points while distinguishing patient and worker controls.
- Suggested activity: compare safety-engineered and needleless options through usability, activation, failure-mode, training, and workflow criteria.
- Suggested activity: test point-of-care disposal, immediate response, confidential reporting, follow-up, and learning pathways against realistic constraints.
- Suggested activity: integrate controls, responsibilities, device decisions, surveillance measures, education, and improvement actions into a Sharps and Injection Safety Improvement Pack.

FAQs

Who suits advanced sharps and injection safety training, and what does it assume?

Advanced sharps and injection safety training suits professionals who already manage clinical practice, infection prevention, occupational exposure, education, devices, or safety improvement.

How does advanced injection safety differ from basic injection technique training?

Advanced injection safety examines system design, engineering controls, device selection, disposal, exposure response, surveillance, human factors, and improvement rather than teaching basic administration technique.

What makes a safety-engineered sharps device effective?

An effective safety-engineered device reduces exposure during real workflow, activates reliably, is intuitive, fits the procedure, supports disposal, limits bypass, and is evaluated with frontline users.

What should happen after a sharps injury?

A sharps injury should trigger immediate first aid, prompt reporting, confidential clinical evaluation, source and exposure assessment under applicable procedures, timely follow-up, documentation, and system learning.



How should healthcare teams use sharps injury data?

Healthcare teams should classify device, procedure, location, task, activation, disposal, staffing, and workflow factors to identify patterns, prioritize controls, and test whether improvement actions reduce exposure risk.

Conclusion

The course integrates injection workflow controls, safer devices, disposal, exposure response, reporting, surveillance, human factors, and improvement measurement. Participants take back a Sharps and Injection Safety Improvement Pack that converts incidents and practice observations into controlled action. The pack strengthens patient protection, worker safety, device decisions, response reliability, and organizational learning.