

Sterilization

The Unsung Hero in Sepsis Prevention & Effective Wound Management

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Introduction

Sepsis and wound infections are major causes of morbidity and mortality globally. Sterilization is often overlooked but is a vital element in infection prevention.









Objective

To highlight the critical role of sterilization in

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Objective

To highlight the critical role of sterilization in

Preventing sepsis

Enhancing wound care outcomes

Promoting patient safety

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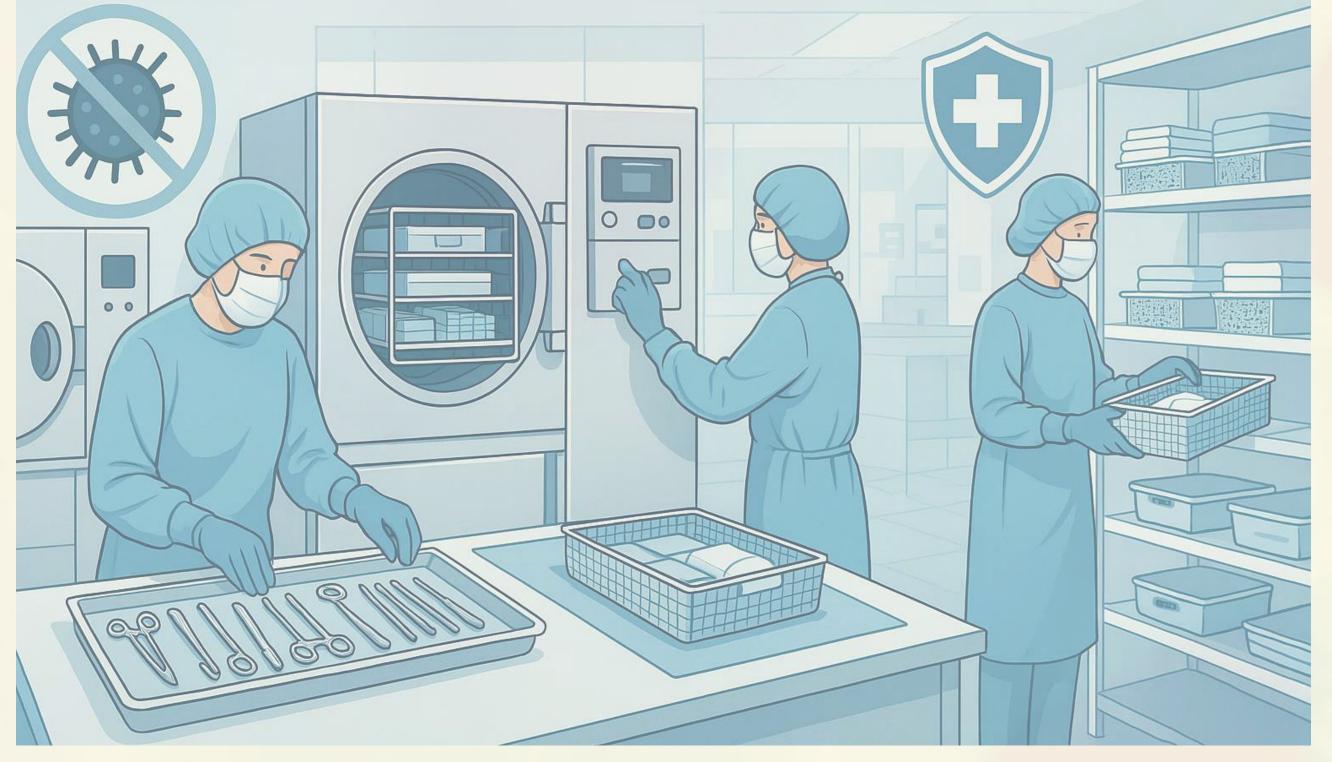








STERILIZATION & SEPSIS PREVENTION



Sterilization & Sepsis Prevention

Sepsis often begins with contamination during care.

Sterile instruments = reduced infection risk.













Case studies show infection rates drop with strict sterilization

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Case studies



show infection rates drop with strict sterilization

Problem: High postsurgical infection rates.

Intervention: Strict sterilization protocols, biological indicators, intensive staff training.

Results: 45% reduction in infections over 12 months.

Problem: ICU infections linked to improperly reprocessed instruments.

Intervention:

Governmen

Implementation of electronic instrument tracking, SOP improvement.

Results: 65% drop in wound-related infections.

Problem: Infections following gynecological surgeries.

Intervention:
Collaboration between CSSD and infection control, smart indicators, steam sterilization.

Results: 50% reduction in infections, improved turnaround time.

NHS Hospital, U

16th & 17th April 2025











The Role of CSSD Infection Reduction

Full control of surgical and wound care instrument sterilization.

Quality assurance through chemical and biological indicators.

Risk mitigation with instrument tracking systems.













Conclusion

and

Recommendations

- Strict sterilization is a cornerstone in preventing wound-related infections.
- Invest in training, smart systems, and CSSD infrastructure.
- Foster interdepartmental collaboration and promote a culture of safety.









