Comparison of the shelf life sterility of medical instrument sets and storage between CSSD and department in Chonburi Cancer Hospital.

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Background

Determining the duration shelf life sterility of medical instrument that are not suitable while medical instrument remains sterile, causing unnecessary resources to be rebuilt. This research, therefore, compares the sterile retention period in the central dispensing unit with various departments in the hospital.

Objective

1. Determining the duration shelf life of medical instrument in hospital.
2. Comparison of the shelf life sterility of medical instrument sets storage between CSSD and department.

Conception framework

Hypothesis

H0: Shelf life sterility of instrument storage between CSSD and any department in Chonburi Cancer Hospital are not different.
H1: Shelf life sterility of instrument storage between CSSD and any department in Chonburi Cancer Hospital are different.

Sample

The sample using 576 sets of sterile tool that are sterile according to standardized process.

The research found the tool set stored in various unit of the hospital showed 2 sets of bacteria in 5th week and 6th week respectively. The toolset stored in the CSSD unit was not detect for 7th week.

Suggestion

The research recommends that the management or relevant department determine the period of sterilization condition of medical instrument set in various departments of the hospital for at least 4 weeks.