



Service Priorities and Programmes
Electronic Presentations

Convention ID: 312

Submitting author: Mr K H CHAU

Post title: Nursing Officer, United Christian Hospital, KEC

Electronic Count Sheet Boosts Safety and Efficiency of Routine Surgical and Sterile Processing Improvements

Chau KH, Ma OF, Chan SW, Au Yeung SH, Wong MS, Chan MC, Chan YY, Cheng LY

Keywords:

Electronic Count Sheet

Introduction

Central Sterile Supply Department (CSSD) & Theatre Sterile Supply Unit (TSSU) has to use the Instrument Count Sheet for instruments checking in Decontamination Area and Packaging Area. In order to coordinate the development of the Surgical Instrument Tracking System, and to ensure the accuracy and efficiency of Surgical Instruments handling and organization, a standardized Count Sheets with care and handling information should be available for every Instrument Sets. The Count Sheets should include full instrument descriptions, catalog numbers, quantities and with pictures. Many sets of Count Sheet Books are kept in Decontamination Area and Packaging Area for daily use. Using the hard copy Count Sheets will create the infection control problem, and requires lots of manpower to maintain and update. With an aim to ensure patient safety and efficient use of hospital resource, set up of the Electronic Count Sheet in centralization of sterilization processing is necessary.

Objectives

1. Enhance the patient safety 2. Coordinate the development of the Surgical Instrument Tracking System 3. Ensure the accuracy of receiving and packaging Surgical Instruments 4. Improve and update the Count Sheet efficiently and effectively 5. Enhance the infection control 6. Minimise the manpower for the maintenance of the Count Sheet 7. Improve information technology system in sterilization management

Methodology

1. Build up hardware and basic facility for the system 2. Install electronic display of Surgical Instruments packaging information 3. Develop PDF format e-count sheet for Surgical Instruments and save in CSSD&TSSU computer server. 4. Build up infrastructure to accommodate the new IT system 5. Train staff for the usage of electronic platform

Result

1. Scaled up to a tray management solution to provide an even greater degree of accuracy during tray assembly 2. Saving of man power by 80% in the process of renew and maintenance of the Count Sheets 3. The updated Surgical Instrument Count Sheets are maintained 4. Going paperless and Infection control is enhanced 5. The packaging process is streamlined The system is successfully implemented because of the system is user-friendly. Staff can get access to the Electronic Count

Sheet more conveniently and accurately. It can enhance staff's efficiency in receiving and assembling of the Surgical Instruments as well as the patient safety with improved accuracy of Surgical Instruments.