How to optimize and streamline your procedures in a CSSD with a computerized system?

by

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Sales Manager
Getinge IT Solutions
HOW ARE THE PROCEDURES AND REGISTRATIONS DONE TODAY?
WHY AT ALL CHANGE THE WAY IT IS DONE TODAY?

- Minimize patient risks
- Greater focus on the patient
- Tracking the source of infection
- Simplify workflows
- Training of employees
WHY AT ALL CHANGE THE WAY IT IS DONE TODAY?

- Registration and documentation of processes
- Better control over goods inventory
- Improve information management
- The implementation of quality assurance and Infection Control guidelines
CSSD WITH A COMPUTERIZED SYSTEM

SOIL GOODS AREA

CLEAN GOODS AREA

STERIL GOODS AREA

Return
• Used items are returned to the CSSD and scanned. The system alerts staff about any instruments that have reached their lifespan and provides pictures to assist in dismantling, servicing and cleaning.
• Products are registered and linked to their respective washing process. Any difference between the program scanned and the program required will be displayed to the user. The system continuously records the process parameters of the washing cycle and displays relevant data on screen.
CSSD WITH A COMPUTERIZED SYSTEM

SOIL GOODS AREA

CLEAN GOODS AREA

STERIL GOODS AREA

Return

Batch Registration to Washers

Packing of Goods
• Instruments are checked and packed. Each item or set is given a unique number, used for traceability, which is automatically printed on the tray lists and labels. Tray content, as well as pictures and video sequences, may be displayed on the computer screen to assist personnel in assembling complicated instruments or to support the training of new employees. Also, system notifications can be shown automatically to alert users of preventive maintenance, new instruments or expirations.
• Products are registered and linked to their respective sterilization process. Any difference between the program scanned and the program required will be displayed to the user. The system continuously records the process parameters of the sterilization cycle and displays relevant data on screen.
CSSD WITH A COMPUTERIZED SYSTEM

- Batch Registration to sterilizers
- Packing of Goods
- Batch Registration to Washers
- Stock
- CLEAN GOODS AREA
- STERIL GOODS AREA
- SOIL GOODS AREA
- Return
STOCK AREA

- After the load has been approved, instruments, implants and disposables are placed in the sterile stock. The system is able to monitor and control all of the above mentioned items.
• Upon order, items are dispatched to the customer in question. By scanning a customer barcode it is recorded to whom the items are sent. Upon this information an invoice can be created. This can ultimately help you run the CSSD as a profit center instead of a cost center.
ADDITIONAL AREAS

- Keeping track in the operating room:
  - The used instruments, implants and disposables can be linked to a patient journal number, either by scanning or keying it in. The actual cost of a patient treatment is documented and stored

- Post Surgery Procedures:
  - After surgery, all instruments are accounted for and reprocessed for immediate use or returned to the CSSD
## Patient units

**ID** 110166-0007  
**Name** Lars Søndergaard

### 11. september 2003

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HOSPITAL PROCEDURES WITH A COMPUTERIZED SYSTEM

1. Ordering via T-DOC
2. Customer Dispatch
3. Keeping Track in the Operating Room
4. Post-Surgery Procedures
5. Return of Used Items
6. Batch Registration & Sterilizer Process Logging
7. Checking, Packing and Quality Control
8. Batch Registration & Washer Process Logging

Stock Management
QUESTIONS THE SYSTEM CAN ANSWER

• Who did what, when?
• Through what processes?
• Where is the instrument/tray now?
• When does it expire?
• Which instruments are used, and how often?
• What are they used for?
• What patient have they been used on?
• What has each department received/purchased?
A COMPUTERIZED SYSTEM WILL ALSO ENABLE YOU TO HAVE….

Traceability:

• By marking instruments and trays with barcodes and scanning these through the product life cycle – from disinfection to return - you have total traceability.

• The system enables the linking of instruments and trays with specific processes, machines, patients, operations, doctors, etc.
Quality Management:

- Through electronic data logging and batch registration it is possible to document the exact treatment a specific instrument or tray has received.

- The system automatically generates security triggers, for instance if a specific instrument is about to receive incorrect treatment in the washer or sterilizer.

- The learning curve for training CSSD technicians is decreased through the use of pictures, automatically generated packing lists and security triggers, thereby less mistakes are made.
A COMPUTERIZED SYSTEM WILL ALSO ENABLE YOU TO HAVE....

Machine Documentation:

“Go Paperless”
Production Planning:

- The system helps the CSSD processes run effective and hereby increasing productivity.

- Statistics concerning the CSSD production can be extracted from the system based on many variable. Hereby it is possible to plan production according to, for instance, peak hours and demand.
A COMPUTERIZED SYSTEM WILL ALSO ENABLE YOU TO HAVE....

Stock Management:

• Have complete overview of the instruments and also the ability to carry out statistics over the usage of instruments, ultimately enabling optimization of the instrument fleet.

• Know exactly which department any instrument or tray has been dispatched to.

• Have a complete overview of purchase requirements hereby avoiding under and over “stocking”.

• Generate triggers for processed goods nearing their expiration date.
A COMPUTERIZED SYSTEM WILL ALSO ENABLE YOU TO HAVE….

Information Integration:

• The system is able to integrate with other information systems, such as OR, administrational or financial systems, so that information can be shared across departments and functional units.

• Hereby it is possible for the hospital to use all information available.
A COMPUTERIZED SYSTEM WILL ALSO ENABLE YOU TO HAVE....

Information Integration:

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MULTIPLE BENEFITS

Executive Management

- Transparency
- Cost reduction
- Quality improvement
- Regulation fulfillment

Specialists
- Extensive report facilities
- "Just in Time" instruments
- Improved patient care

Mid-Management
- Doctors etc

Users/Production Staff
- Simplified working routines
- Efficient
- Easy to use
MULTIPLE BENEFITS FOR MANAGERS AT DIFFERENT LEVELS

• Good information flow between departments
• Lower costs through better management of goods purchasing, handling and inventory
• Optimal utilization of inventory – reduction in investments for new instruments
• Shows where all items are located
**MULTIPLE BENEFITS FOR MANAGERS AT DIFFERENT LEVELS**

- Reduction in waste (re-packing, unused instruments etc.)
- Enhances employees satisfaction
- Trace infections back from patients to used instruments and sterilizer processes
- Document actual cost per customer/patient/case
- Improved patient care and improved quality assurance

*Last but no least…*

- Have your procedures streamlined and optimized
Questions