PREASSEMBLY OF OPERATING TRAYS IN OPERATING THEATERS:

AN INNOVATING AND STRUCTURING CONCEPT

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New CSSD « STERINORD » opened since November 2013

Key data:
- 2600 m²
- 1200 operating trays / day
- 80 operators
- Full automation
- Full traceability
- Quality management
- Risk management
A new CSSD is not just a new building….

- Physical distance between OT and CSSD
- New organizations
- Challenge
- Need to review the WHOLE sterilization process (in CSSD and in OT)
Goals:

- To reach a global high level of performance
- It means:
  - High level of performance at each step
  - No weak link
  - Secure all the interfaces
Means to achieve the goals:

- Industrial model
- Quality management
- Risk management
- Education
- Traceability
- ......
Focus on assembly
ASSEMBLY in CSSD:

A hard job!!!

- Need skills (long education)
- Conviction = Nobody except OT nurses can do it properly
- OT nurses come in CSSD to do it themselves,

Issues:
- Too much people in CSSD
- No reference document
- Responsibilities?
ASSEMBLY in CSSD without the participation of OR nurses

- Reference documents:
  - For each kind of tray
  - Precision:
    - size of instruments...
    - Possibilities of replacement
  - photos
- Education
ASSEMBLY in CSSD without the participation of OR nurses

OT operators don’t make the job easy....
- Compositions of trays are always changing
- Missing instruments
- Mix up between several trays used during the same operation
- Single instruments in pouches jumbled with instruments of the trays.......

10
ASSEMBLY in CSSD:

- And, finally, OT operators shift always the blame onto CSSD operators....

- ASSEMBLY = most delicate step in CSSD

- source of conflict OT/CSSD
To solve the problem:

Brainstorming CSSD / OT

➡ Requirements of each part
➡ Decisions
OT’s Requirements:

- Receive complete trays
- Keep their trays’s knowledges
- Get prooves of what is sending from OT to CSSD and vice versa
CSSD ‘s requirements:

- To assemble without help of OT in CSSD
- Get prooves of what is sending from OT to CSSD and vice versa
- Make OT operators aware of their responsibilities for their part of the process
- To receive sorted trays from OT
Decisions:

- Preassembly of trays in OT before sending them to CSSD
- Monitored by IT system of traceability
Use \rightarrow Decontamination \rightarrow Storage \rightarrow Pre assembly \rightarrow Cleaning \rightarrow Assembly \rightarrow Packaging \rightarrow Sterilisation \rightarrow Storage

= instrument’s traceability

OT

CSSD
How does it work??? (1)

Pre-requisites:
- identification of each instrument (our choice is Datamatrix made by ourselves with drill machine)
- Unique code
- setting up of a data base with all instruments and trays’ compositions.
Unique Datamatrix code on each instrument
How does it work???

- The presassembly of the trays in the OT is equal to an order for the CSSD and provides the proof that the instruments were really in the tray.
- Missing instruments are registered
- The OT nurse has the possibility to replace missing instruments by another kind of instrument,
How does it work???

- The operators in CSSD have to assemble according to the preassembly in OT and no more according to a reference document which is often out of date.
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ATTENTION : LA PIECE A MAIN NE DOIT PAS COMPORTER DE JOINT, SI PRESUPPOSENT JOINTS (BLEU OU BLANC) LES ÔTER ET LES JETER À LA Poubelle
Results:

- Implemented in 60% of Operating departments
- 100% are satisfied and don’t want to step back,
- Improvement:
  - high in OD with a lack of organization
Evaluation: The benefits for CSSD

- Facilitate the task of assembly even for less trained operators
- Time saving
- Reduction of the negative sentiment to make trays with missing instruments
- Reduction of the claims from OT
- Risk control
Evaluation: The benefits for OD

- Maintaining the level of awareness
- Still trained to assemble, still know what their trays are made of
- Optimization of the trays’ composition
- Optimization of instruments’ management (loss immediately noticed)
- Evidence of what has been sent to CSSD
- Risk control
Conclusion:

- This organization allows us to meet the new challenge of the CSSD: transfer of the assembly task to non OT operators in a context of distance between CSSD and OT.
- In our experience, the skills of OT operators are used to great effect during the preassembly without needing to help anymore in CSSD.
- The responsibilities are clearly defined by the two parts.
- Studies in progress to evaluate the system
Lille welcomes WFHSS 2015!

WHEN?
7-10 October 2015

WHERE?
Lille Grand Palais Conference Center
Thank you for your attention!!

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