

A VIRTUAL STERILISATION AREA: AN INTERACTIVE TRAINING TOOL

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BACKGROUND AND IMPORTANCE

The training of sterilisation technicians represents a major challenge to ensure the safety, security and limit the contamination of reusable medical devices.



OBJECTIVES

To develop a tool to ensure basic and continuous training of sterilisation technicians, taking into account their professional backgrounds and skills, in order to:

- ❖ Contribute to the integration of newcomers,
- ❖ Standardize the training, which currently is especially done through mentoring.



MATERIALS AND METHODS



- 1) Conception of a training booklet illustrating the different stages of the sterilisation process,
- 2) Realisation of instructional videos showing the entire sterilisation process.
- 3) Integration of videos in a virtual blueprint of the sterilisation area made with 3D mapping software.



RESULTS



The training booklet based on the French Sterilisation Guidelines and the internal practices of the technicians, was written and divided into 5 main parts following steps of the sterilisation circuit which are:

- 1) Entrance gate of the sterilisation
- 2) Individual outfitting of technicians area
- 3) Washing of the medical devices area
- 4) Assembly of the sterile boxes area
- 5) Unloading systems for autoclaves area

These parts were illustrated in 5 videos which were integrated in the different rooms of the 3D layout created with Kozikaza®, a 3D mapping software, from the measured blueprint of the sterilisation area. It replicated the technicians' work environment as realistical as possible.

The tool is available through the following QR code:



To complete their virtual training, a technician decides either to follow the classic circuit or to choose one step specifically.

Then, they click on the hyperlink in the virtual room which refers them to a video corresponding to the step of the circuit.

CONCLUSION AND RELEVANCE:

This interactive and easily accessible tool allows to:

- ❖ Catering to different professional backgrounds, taking into account the technicians' preferences regarding training methods.
- ❖ Improvement of the quality of the circuit, of sterilisation practices, and facilitates the training of sterilisation technicians.

This training, systematically offered to employees upon their arrival and annually to the whole team, will be evaluated to identify their needs.

