

# School for sterilization operator The Swiss experience



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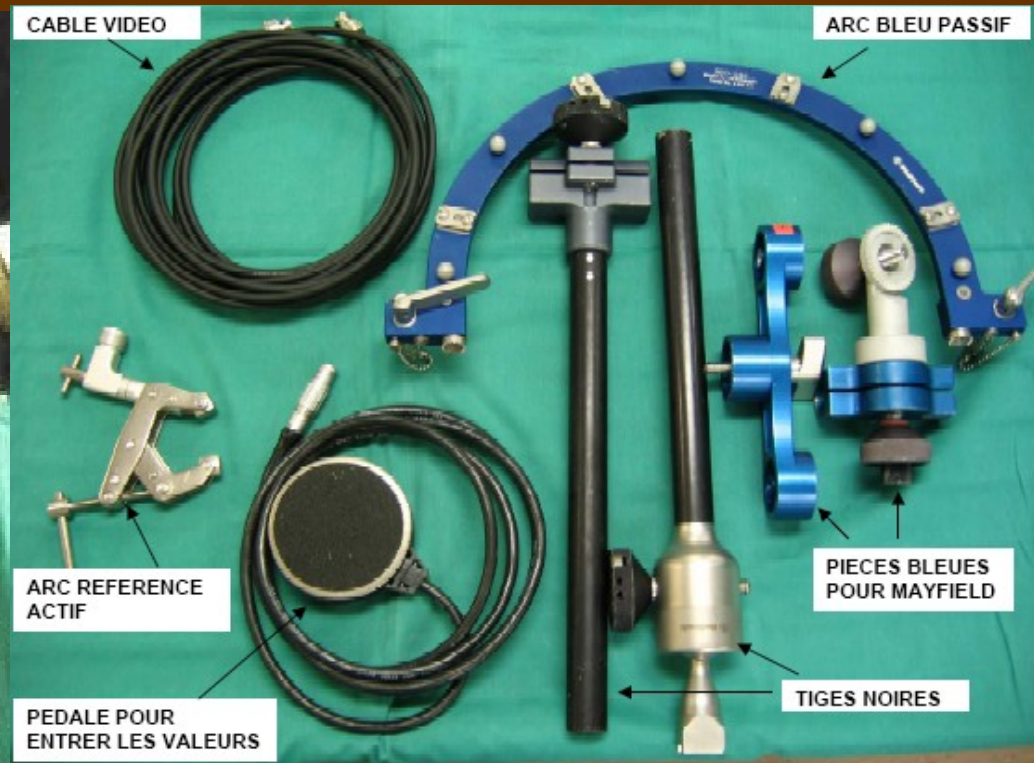
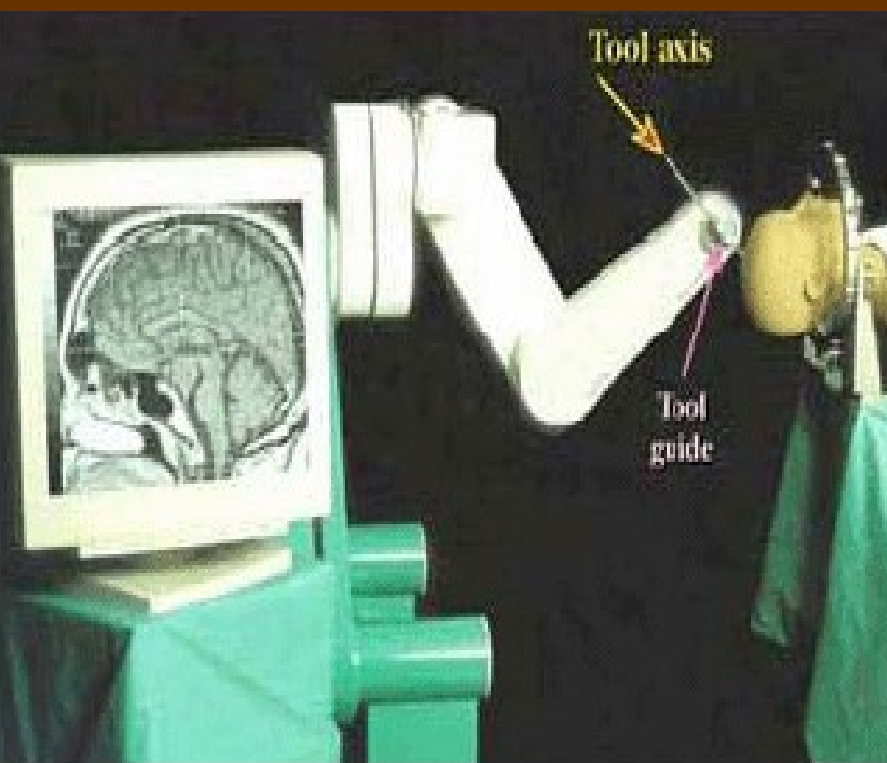
# Introduction

- In the past
  - Who worked in sterilization ?
    - Persons who could not work any more in the other services of the hospital
    - Persons without or little basic training
  - What work?
    - Mass production as compresses
    - Simple classic instruments



# Introduction

- Today
  - What work ?
    - More and more complex instruments



# Education

- In collaboration with H+
  - Assistant technical in sterilization
    - Level 1 – 2 – 3
- German part : 1996
- French part : 1999
- Italian part : 2007
- Majority of the staff working in sterilization made the training level 1



Die Spitäler der Schweiz.  
Les Hôpitaux de Suisse.  
Gli Ospedali Svizzeri.

# Contents of the program

- Methodology of learning (2 x 2 hours)
- Bases of microbiology
- Ways of transmissions and epidemiology
- Legal bases and reference documents
- Circuits of the material
- Knowledge of the medical devices
- All the steps of decontamination :
  - Wash, packaging, steam sterilisation, the other methods of sterilisation (EO, FO,  $\text{VH}_2\text{O}_2$ , etc.), controls in sterilisation

# Contents of the program

- Theory
  - 10 days of training distributed over 3 months
- Practises
  - But the persons have to work in a CSSD for 6 months
- Examinations
  - Writes : questionnaire with multiple choice
  - Oral : 3 questions

# Use of new techniques

- Examples
  - Dosage of the rests of proteins on instruments



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**Miele**  
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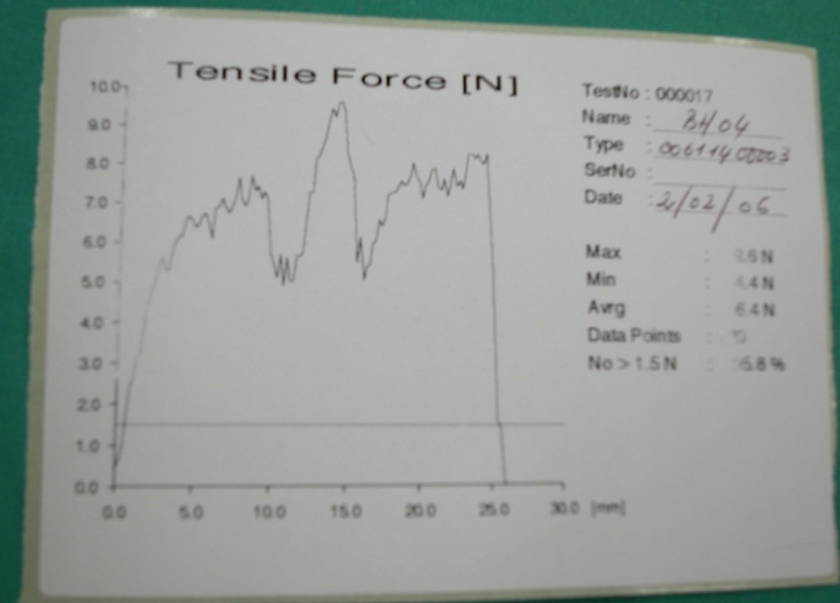
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Reizend  
Irritant  
Irritante 



# Use of new techniques

- Controls of the resistances of packagings





# Use of new techniques

- Use of microscope for the control of instruments



# Use of new techniques

Control of  
laparoscopic  
instruments





<http://www.psqh.com/mayjun05/aems.html>  
May / June 2005

*Technology*

## **Advancing Patient Safety in Laparoscopy: The Active Electrode Monitoring System**

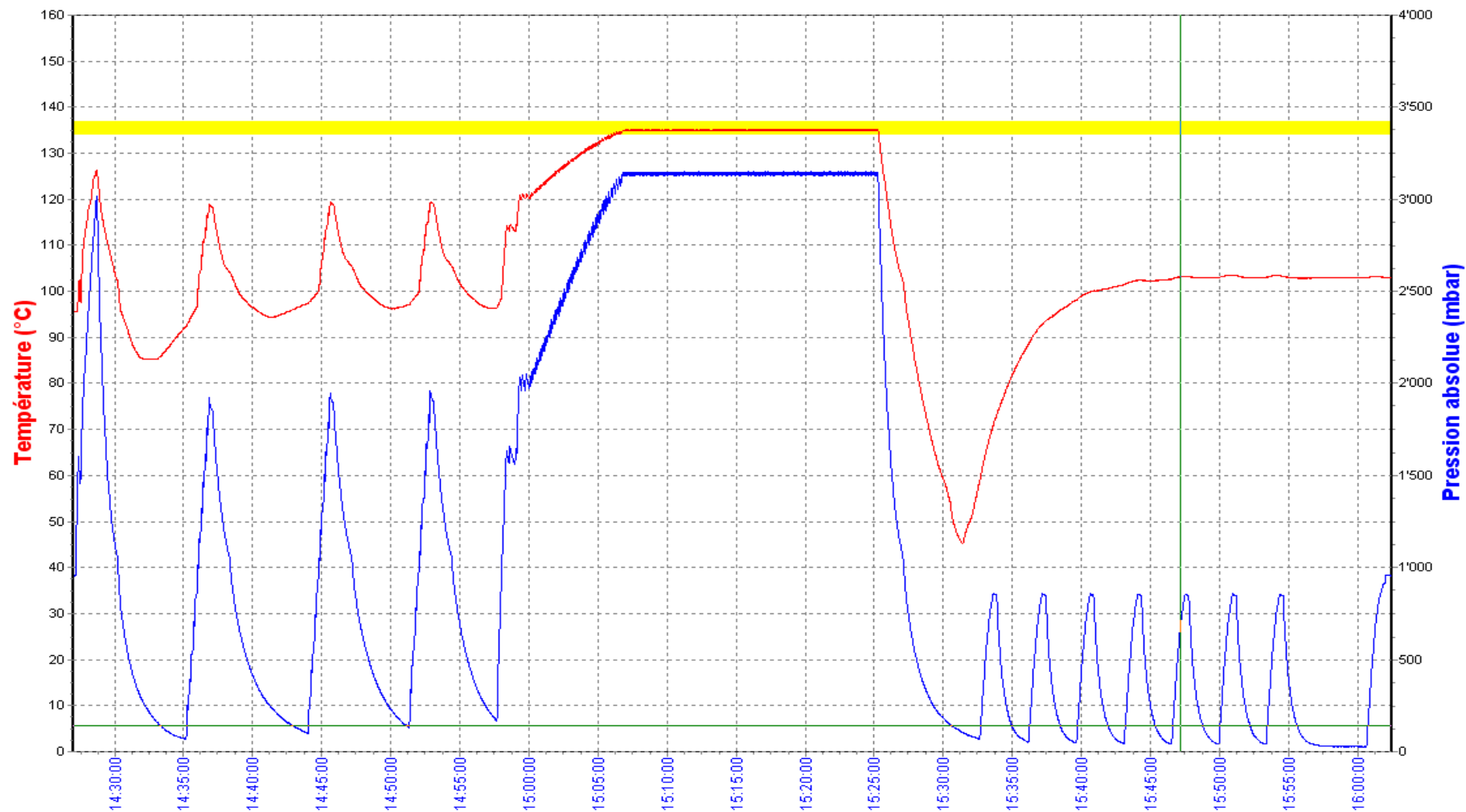
Vangie Dennis RN, CNOR, CMLSO



# Use of new techniques

- Use of embarked probes and computing tools for the controls of the washers-disinfectors and the sterilizers





## Info. générales

## Détails

## Plateau

Cycle

918

Programme

Instruments en containers

Date

26/07/2005

Heure début

14:27:01

Heure fin

16:02:29

Durée

01:35:28

Fin

34 Fin du programme solides.

Annul. Zoom



Cycle en cours



Imprimer



Cycle



Aperçu

STERI 3

# Why to do more?

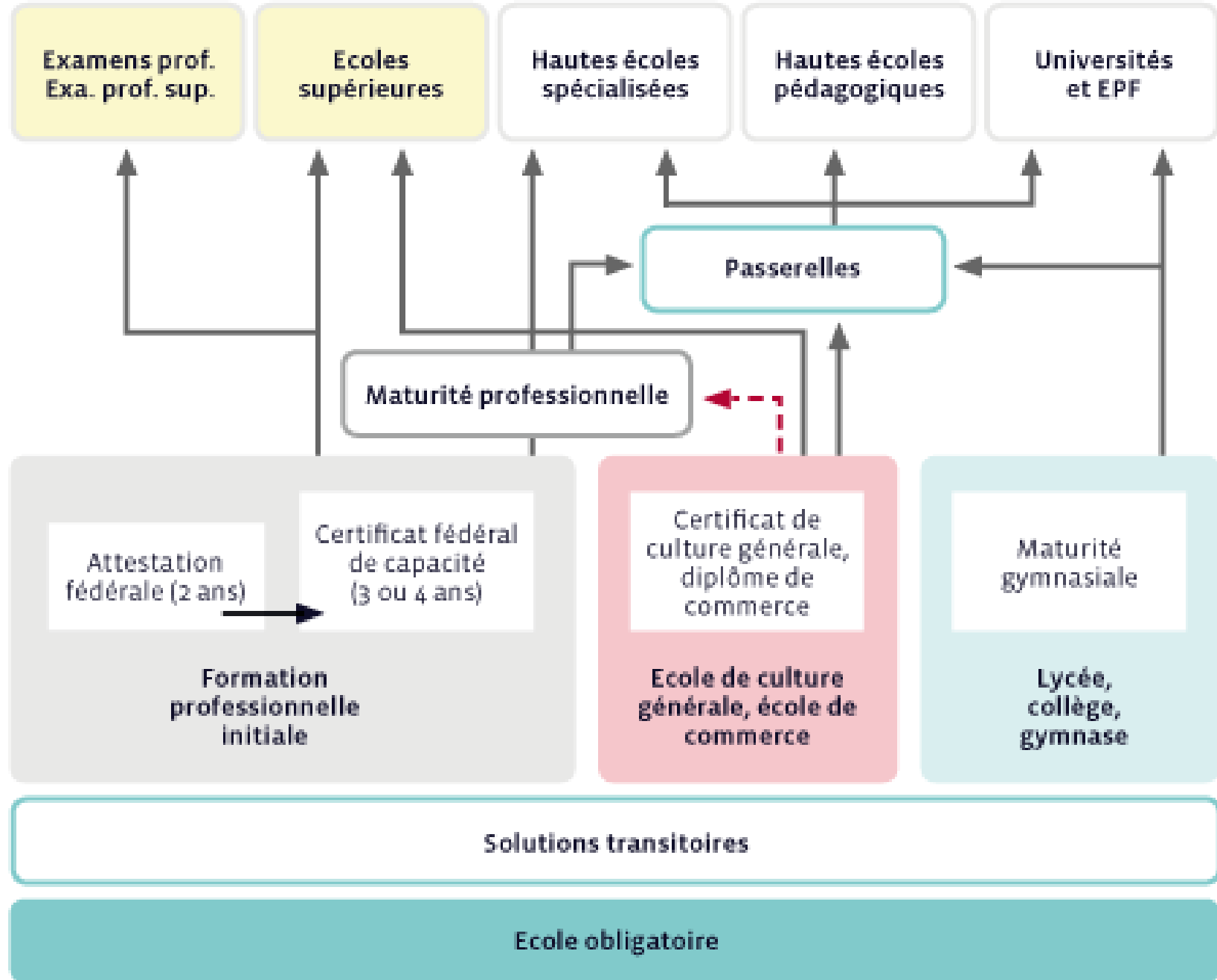
- Recognize the realized work
- Increase the level of competence
- Safety



- Example

- Repair of a car = garage mechanic
- Surgical material = staff without basic training!!!

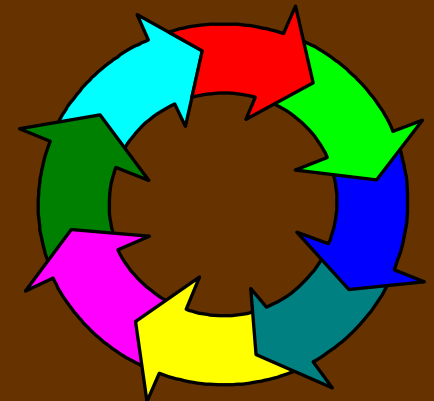




----- ➔ Uniquement maturité professionnelle commerciale

# What ways to choose?

- Formation in 3 years with FCC (federal certificate of capacity)
- At a CSSD (practical training)
  - 3 - 4 days a week
- Lessons in a specialized school (theory)
  - 1 - 2 days a week
  - General knowledge
    - Language of the region, the mathematics, the physics, the chemistry, the office automation, etc.
  - Specific knowledge
    - All the steps of the reprocessing
    - Instruments
    - Etc.



# What to make ?

- Acceptation of the SSSS
- Prospecting in the other domains
  - Pharmaceutical Industry, laboratories, etc.
- Preparation of the legal document of agent's initial training of sterilization

# **Ordonnance sur la formation professionnelle initiale**

**d'assistante en pharmacie/assistant en pharmacie<sup>1</sup>  
avec certificat fédéral de capacité (CFC)**

du 14 décembre 2006

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**70610**

**Assistante en pharmacie CFC/Assistant en pharmacie CFC  
Pharma-Assistentin EFZ/Pharma-Assistent EFZ  
Assistente di farmacia AFC**

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*L'Office fédéral de la formation professionnelle et de la technologie (OFFT),  
en accord avec le Secrétariat d'Etat à l'économie (SECO),*

vu l'art. 19 de la loi fédérale du 13 décembre 2002 sur la formation professionnelle (LFP<sub>r</sub>)<sup>2</sup>,

vu l'art. 12 de l'ordonnance correspondante du 19 novembre 2003 (OFPr)<sup>3</sup>,

vu l'art. 50 de l'ordonnance 1 du 10 mai 2000 relative à la loi sur le travail (OLT 1)<sup>4</sup>,

*arrête:*

# Contained by this legal document (1)

- Name and profile of the profession
- Duration of the training (3 years ?)
- Social, methodological and professional skills
- Safety in the work
- Parts assumed by the various places of training

## Contained by this legal document (2)

- Plan of training
- Requirements put to the persons and to the schools giving the training
- Procedure of qualification and success
- Certificate and title
- Which oversees the training ?



# Plan of training

- Level of the specific knowledge in reprocessing : minimum level 2
- Helps of a specialist to realize the plan of training
  - Financial investment of the SSSS
- Schools
  - One in Swiss French
  - One in Swiss Italian
  - One or two in Swiss German
- Objective
  - 20 students by schools and a year

# Of what is it again necessary to think ?

- How to do with the persons who work at present in sterilization?
  - Recognitions of the experiences
  - Specific courts of preparation for the examinations
- Collaboration with H +?
- And for the managers in sterilization?
  - Management training
  - Superior training in sterilization ?

# Future

- Training which allows outlets for the competent persons
  - Nurse
  - Technician of operating theater
  - University
- The work in sterilization does not have to be a dead end

# Where we are ?

- First contact with authorities
  - Obvious interest
  - Ask to make an analysis of the situation of the sterilizations in Switzerland
- Questionnaire
  - 55 questions
  - To send to all health care centers with CSSD
  - Analysis

Etablissement

**1. Statut de l'établissement :**

- ☐ Privé  
☐ Public  
☐ Universitaire

**2. Nombre (nbre) de lits :**

- ☐ Moins de 200  
☐ De 200 à 500  
☐ Plus de 500

**3. Organisation de l'établissement :**

- ☐ Sur un site  
☐ Sur plusieurs sites  
 Si sur plusieurs sites, nbre de sites : .....

**4. Nbre de salles d'opérations :** .....

**5. Organisation du bloc opératoire :**

*Programme électif*

- ☐ Oui  
☐ Non

*Urgences*

- ☐ Oui  
☐ Non

**6. Nbre de service(s) de stérilisation :** .....

*Réparti(s) sur*

- ☐ Sur un site

- ☐ Sur plusieurs sites

Si plusieurs sites, nbre de sites : .....

**Si pas de service de stérilisation, fin du questionnaire**

**7. Le service de stérilisation est-il certifié :**

- ☐ Oui  
☐ Non

Si oui, nom de la société chargée de la certification : .....

.....

**48. Quels sont les contrôles qui sont effectués dans cette zone :**

*Air*

- ☐ Oui  
☐ Non

Si oui, à quelle fréquence : .....

*Microbiologique*

- ☐ Oui  
☐ Non

Si oui, à quelle fréquence : .....

**49. La qualité de l'eau est-elle contrôlée :**

- ☐ Oui  
☐ Non

Si oui, à quelle fréquence : .....

**50. La qualité de la vapeur est-elle contrôlée selon la norme EN285 :**

- ☐ Oui  
☐ Non

Si oui, à quelle fréquence : .....

Documentation et traçabilité

**51. Le processus est-il documenté (Procédures et instructions de travail) :**

- ☐ Oui  
☐ Non

**52. Avez-vous une documentation de charge :**

- ☐ Oui  
☐ Non

Si oui, laquelle : .....

**53. Avez-vous un système de traçabilité :**

- ☐ Oui  
☐ Non

Si oui, lequel : .....

SSSH

**54. Connaissez-vous la SSSH :**

- ☐ Oui  
☐ Non

**55. Etes-vous membre de la SSSH :**

- ☐ Oui  
☐ Non





# Conclusion

- The implementation of a training with agent's FCC of sterilization becomes a necessity
- The road to arrive is there still long
- There are many points to be clarified