



World Federation for
Hospital Sterilisation Sciences

DGSV

Deutsche Gesellschaft für
Sterilgutversorgung e.V.

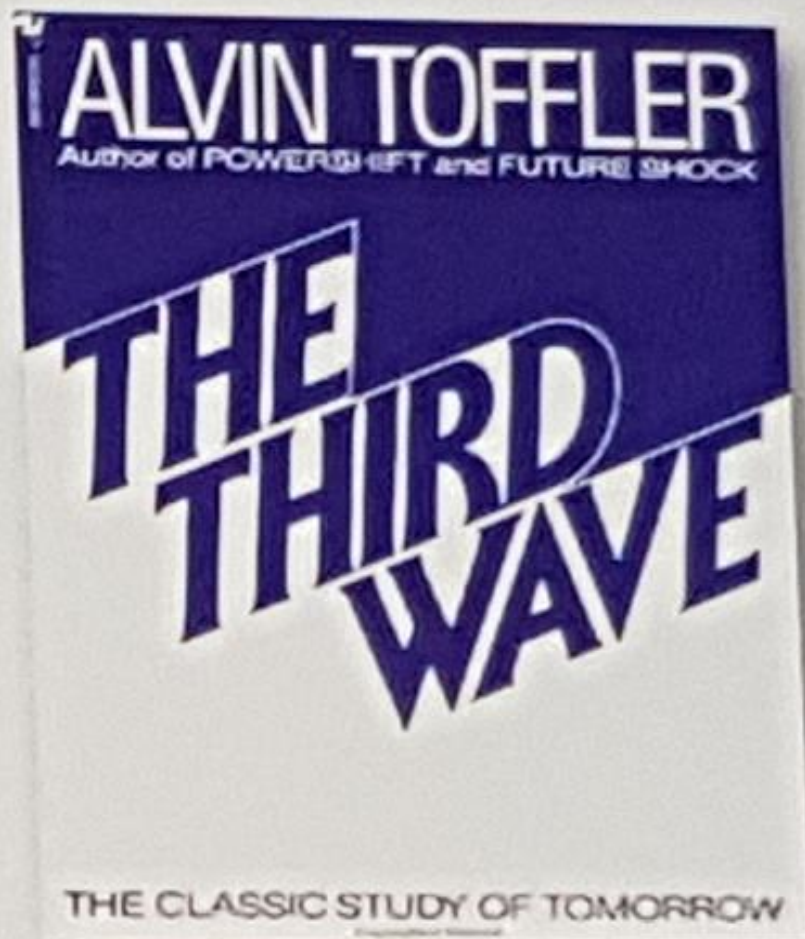
WORLD CONFERENCE
CENTER BONN

Wim RENDERS

DARE TO CHANGE

Alvin Toffler

- 1st wave: Settled agricultural society
- 2nd wave: Industrial age society
- 3th wave: Information age society
- 4th wave: Collapse of the system
- Disruption can be an understatement



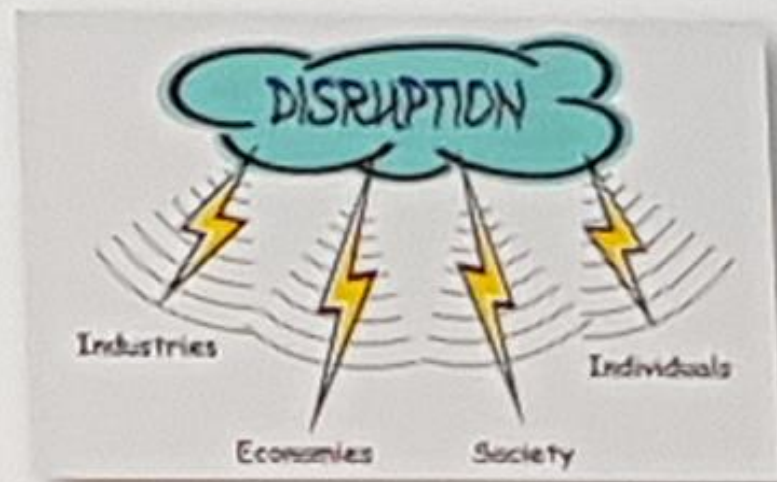
Disruptive innovations in economy

- Breakthroughs that serve a customer or a market in a new way:
 - Airbnb, Paypal, Uber, Bitcoin
- Made possible by the globalization of the internet
- Threat to traditional sectors
- In a new environment flexibility and capacity to change become crucial for organisations



Disruption in society

- Affects the mindset and coexistence of people
- Political and social gaps silhouett sharper
- 'Gone too far' globalisation
- Immigration wave
- Political authorities fall short in their duty
- People choose wellbeing above wealth
- The rise of anti-establishment movements



Disruption in society

- Affects the mindset and coexistence of people
- Political and social gaps silhouett sharper
- 'Gone too far' globalisation
- Immigration wave
- Political authorities fall short in their duty
- People choose wellbeing above wealth
- The rise of anti-establishment movements



Health is the basis for a qualitative life

- Healthcare is 'the' market for technology start-ups
- Apps analyze data as heart rate, blood pressure, temperature and stress
- Means for diagnosis and a more personalised care



- The Belgian government launched a project for development of health apps
- In the care of the future the patient is central
- The doctor gets a more coaching role

Health is the basis for a qualitative life

- Healthcare is 'the' market for technology start-ups
- Apps analyze data as heart rate, blood pressure, temperature and stress
- Means for diagnosis and a more personalised care



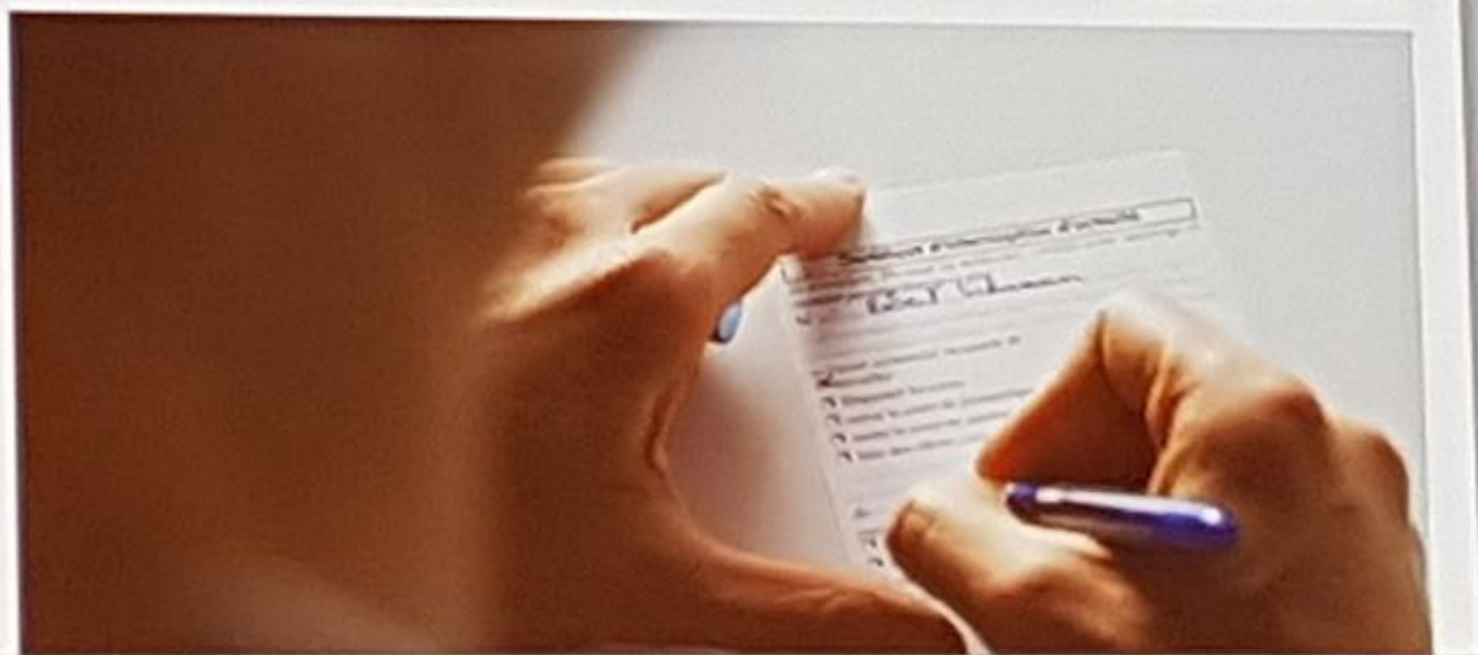
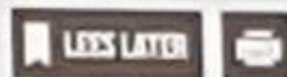
- The Belgian government launched a project for development of health apps
- In the care of the future the patient is central
- The doctor gets a more coaching role

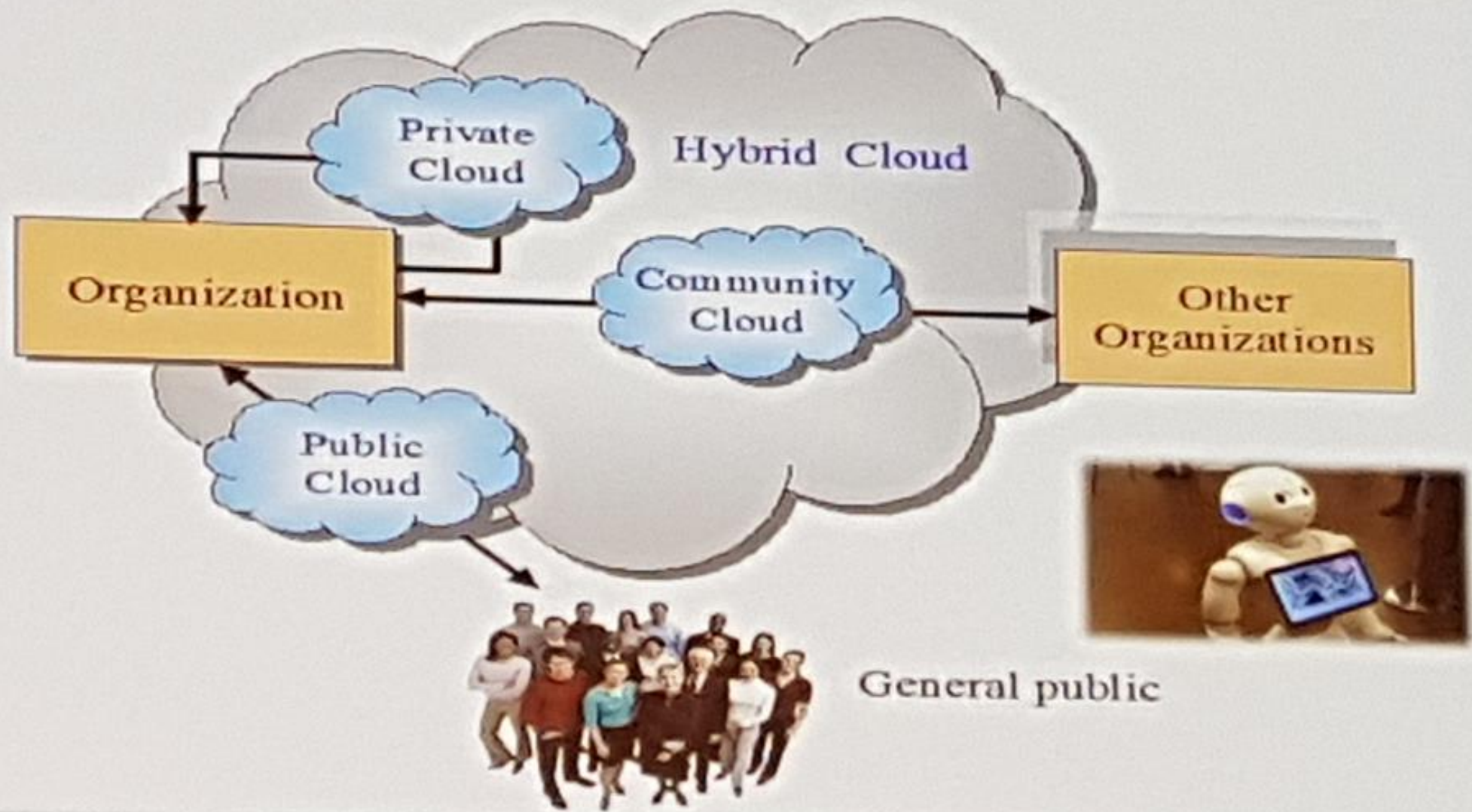
Artsen hebben geen hoge pet op van gezondheidszorg via internet

30/06/17 om 17:26 - Bijgewerkt om 17:26

Door: Belpa

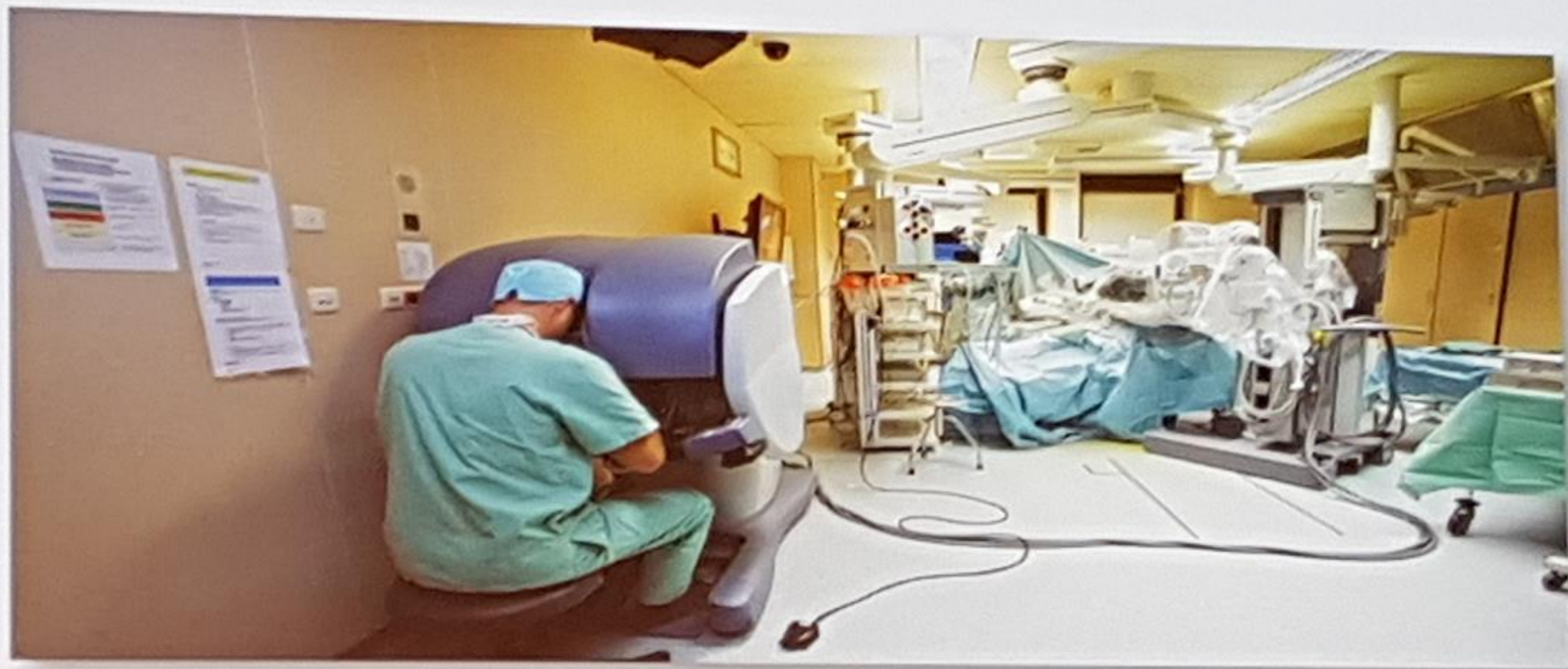
De grote meerderheid van de artsen in ons land loopt niet hoog op met de zogeheten e-gezondheidszorg. Slechts 6 procent denkt dat hun werk erbij gebaat is.





The hospital of the future

- A hub in network with general practitioners and external specialists
- The service no longer stops at the exit
- Innovation is necessary to realize its primary mission what is to provide up to date care to each patient
- Herein the CSSD plays a facilitating role by delivering in time a correct medical device to the provider of care
- Conditions for the CSSD to guarantee this are:
 - Adaptation
 - Flexibility
 - Innovation
- Change should have become a natural habitat for CSSD



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

The hospital of the future

- A hub in network with general practitioners and external specialists
- The service no longer stops at the exit
- Innovation is necessary to realize its primary mission what is to provide up to date care to each patient
- Herein the CSSD plays a facilitating role by delivering in time a correct medical device to the provider of care
- Conditions for the CSSD to guarantee this are:
 - Adaptation
 - Flexibility
 - Innovation
- Change should have become a natural habitat for CSSD

Evolution of CSSD

- From an appendage to operating room to independent CSSD
- From open area to department divided into different zones
- From manual working towards automated instrument reprocessing
- From reusing SUD's to a total ban on reuse
- From using indicators to validation of processes
- From untrained staff to highly qualified members of staff
- From department concentrating on the sterilization process itself to department with a holistic approach on decontamination



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



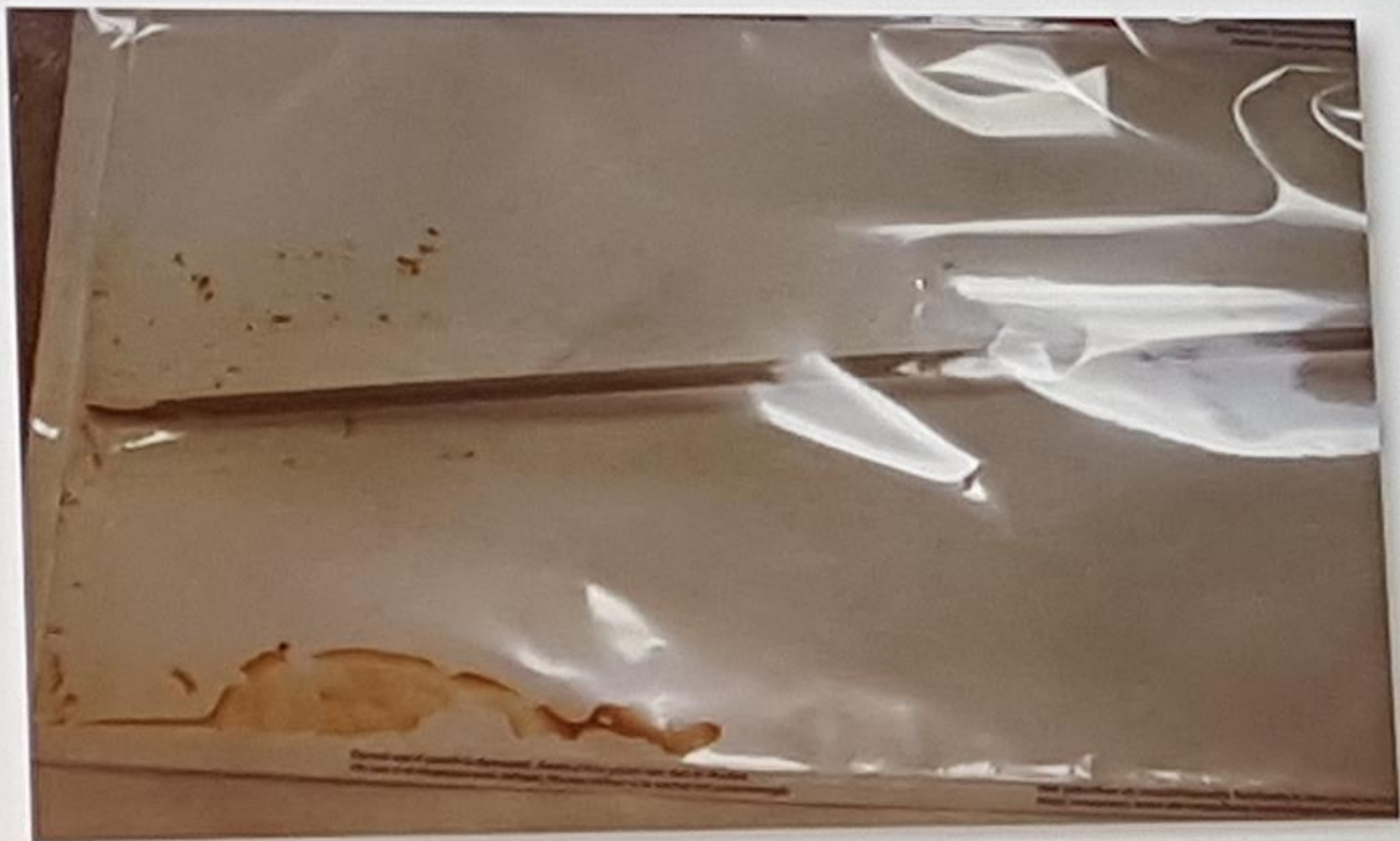
2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



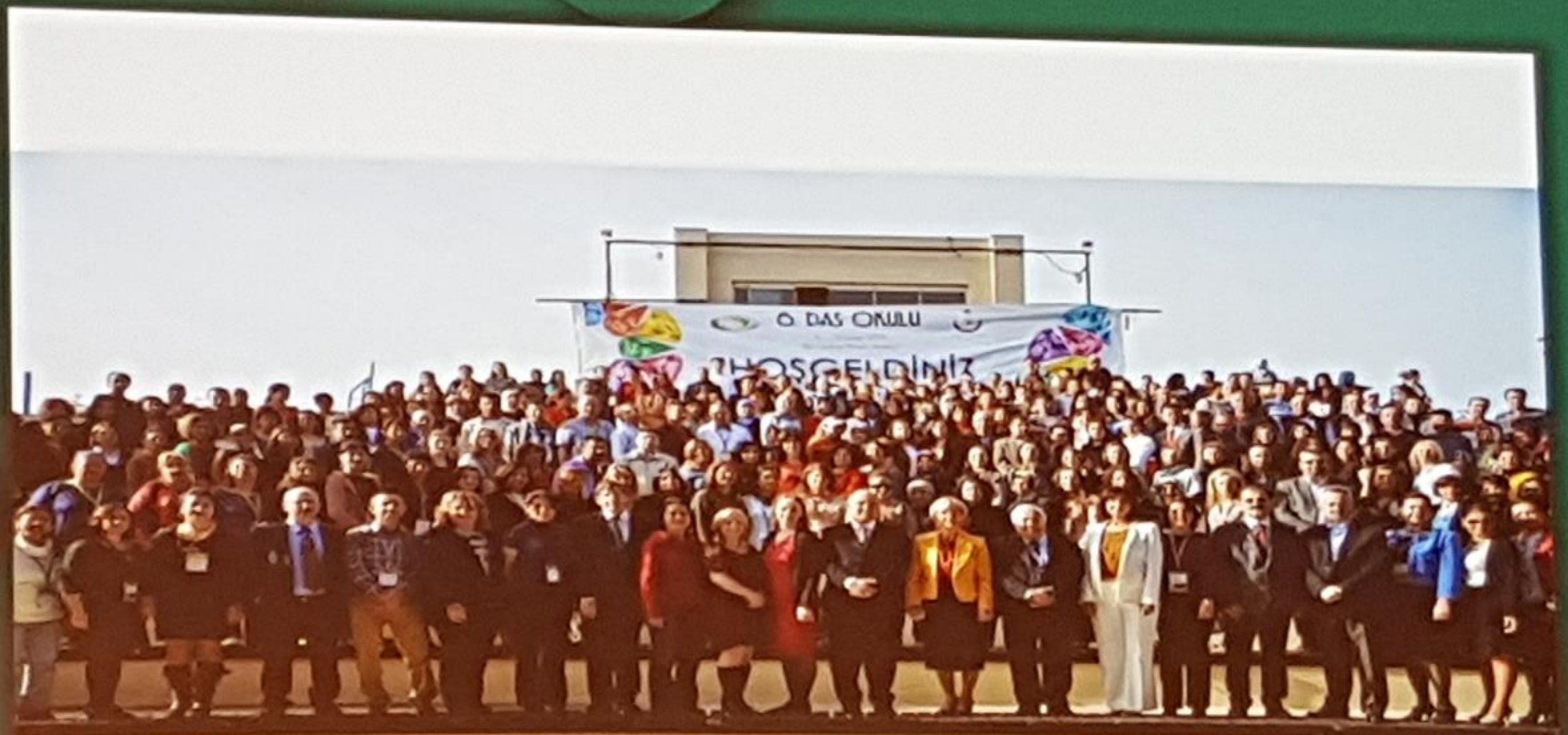
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



International
Organization for
Standardization

[Home](#) | [Site map](#) | [Abbreviations](#) | [ISO Store](#)
[Français](#) | [FAQ](#) | [Contact ISO](#) | [My account](#)
 Search All ? [Extended Search](#)

[About ISO](#)

[Products and services](#)

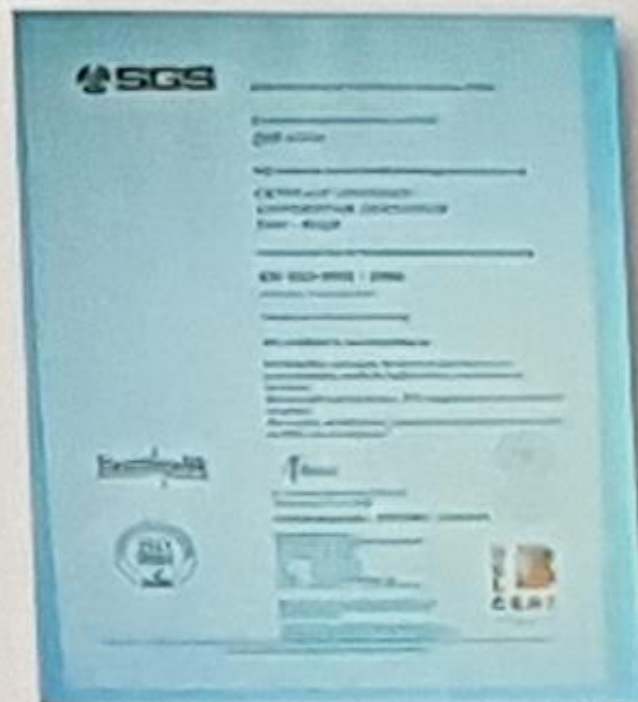
[ISO 9000 / 14000](#)

[Standards development](#)

[Communities and markets](#)

[Communication centre](#)

- ISO + EN norms consolidated first wave
- Later on quality systems were grafted onto in attempt to get control over the variability of the output



European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

[Home page](#)
[Search](#)
[FAQ](#)
[Sitemap](#)
[Contact us](#)

[Latest news](#)

[About us](#)

[Standards and drafts](#)

[Business domains](#)

[Conformity assessment](#)

[Members](#)

[Work area](#)

[News](#)

Revisions of Medical Device Directives

The new Regulations on medical devices

On 5 April, 2 new Regulations on medical devices were adopted. These replace the existing Directives.

- Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC
- Regulation (EU) 2017/746 of the European Parliament and of the Council of 5 April 2017 on in vitro diagnostic medical devices and repealing Directive 98/79/EC and Commission Decision 2010/227/EU

The new rules will only apply after a transitional period. Namely, 3 years after entry into force for the Regulation on medical devices (spring 2020) and 5 years after entry into force (spring 2022) for the Regulation on in vitro diagnostic medical devices.

The Commission welcomes the adoption of its proposal for 2 Regulations on medical devices which establish a modernised and more robust EU legislative framework to ensure better protection of public health and patient safety.

The new Regulations in a nutshell

The new Regulations contain a series of extremely important improvements to modernise the current system. Among them are:



BBC Sign In News Sport Weather

NEWS

Home Video World UK Business Tech Science Magazine

Scotland Edinburgh, Fife & East Glasgow & West Highlands & Islands

Welcome to
NHS Greater Glasgow
Central Decontamination Unit



**'Unsafe' surgical instruments
delay Glasgow operations**



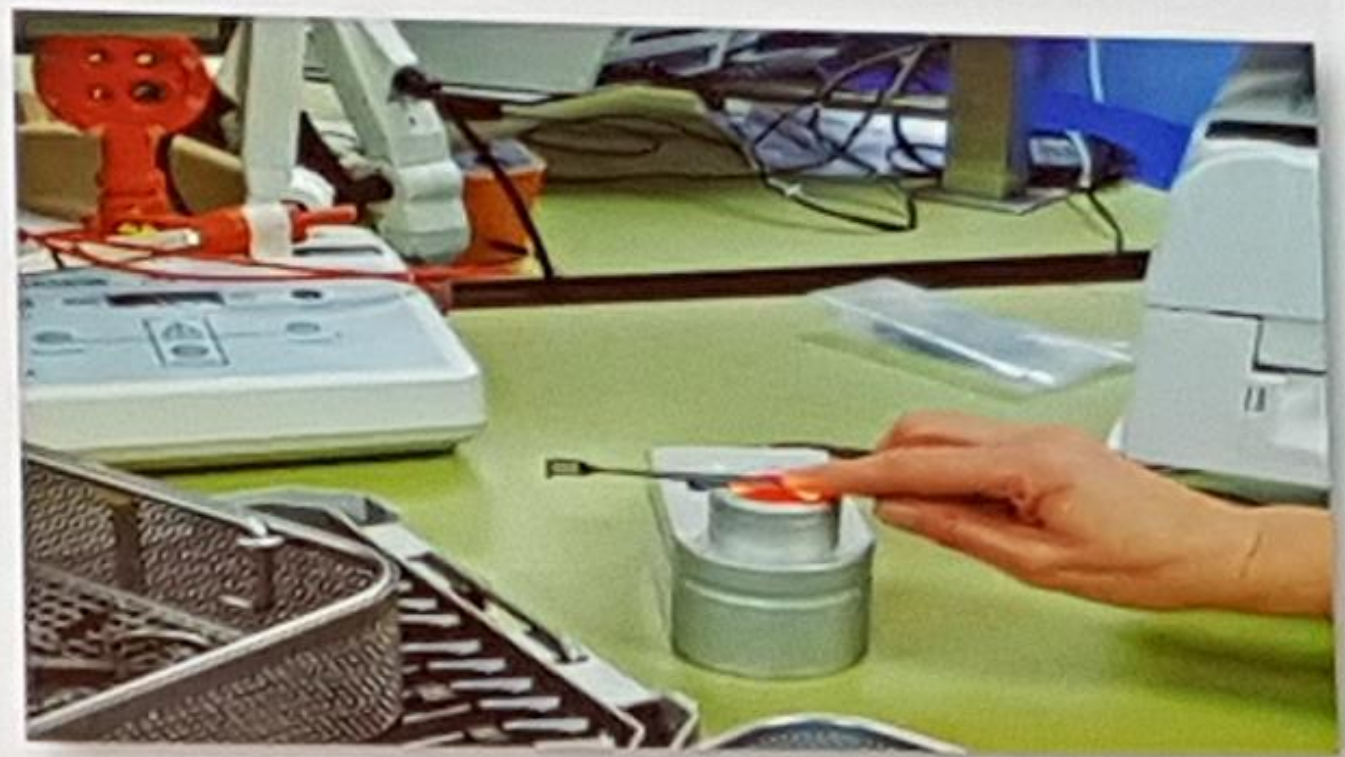
2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

Flexibility

- 30 % of jobs disappear by 2030 due to automation, robotics
- CSSD should prepare:
 - Automatic tracing of a set with RFID
 - Tracing at level of instrument with data matrix







Automate de tri des instruments: Une idée, une réalité...quelles perspectives?

► H.Ney Responsable stérilisation centrale

HUG  
Hôpitaux Universitaires de Genève

Pia Hilsberg

The use of robotics and automation to achieve a
work environment and efficiency





2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

Decontamination is an industrial process

- The outcome can be perfectly predicted if the essential requirements of process control are met
- “Validated reprocessing is a fully controllable risk”

Axel Kramer

Industrialization

- Applies to other aspects of care as well
- “The industrialization of care is the only way to increase the human touch of care”

Marcus Froehling

- Industrialization includes professionalism
- An empathic approach of the patient

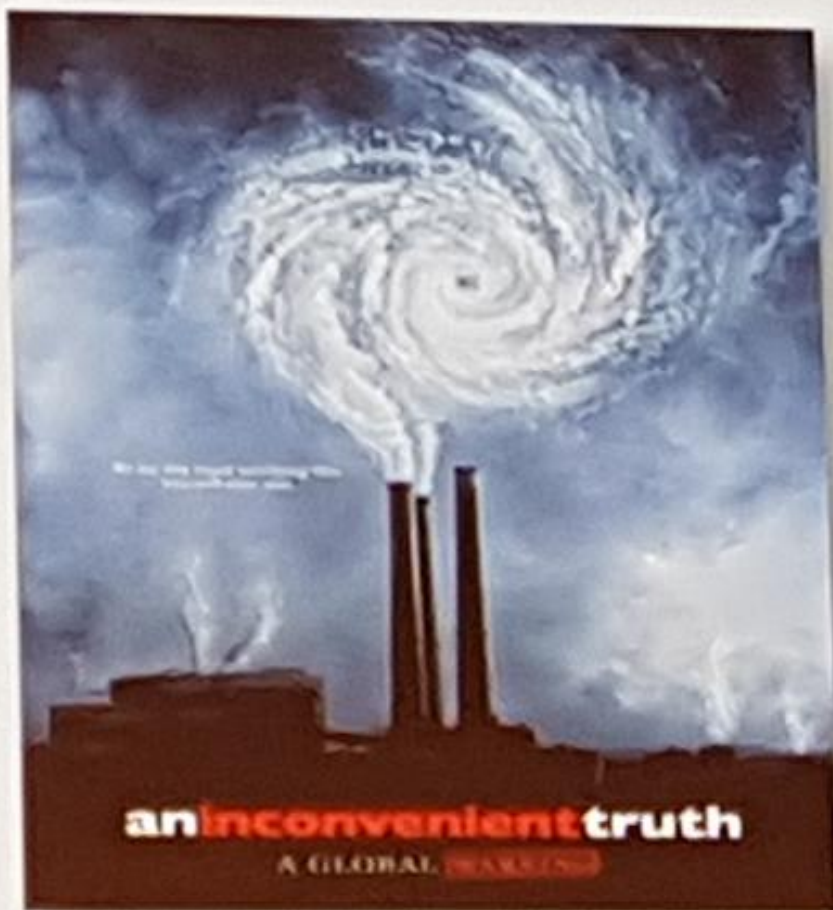
Sterilization associations and MOH's

- Important role in defining the outline of 'sterilization'
- A rough sketch does not guarantee an exclusive property
- Details must be filled in: all-inclusive approach
- Sterilization is not yet a global 'turnkey' project



An inconvenient truth

- No longer acceptable that a patient runs a higher risk in one hospital in comparison to another one, partly due to the quality or lack of it in the sterilization department.



CSSD's, associations and MOH's

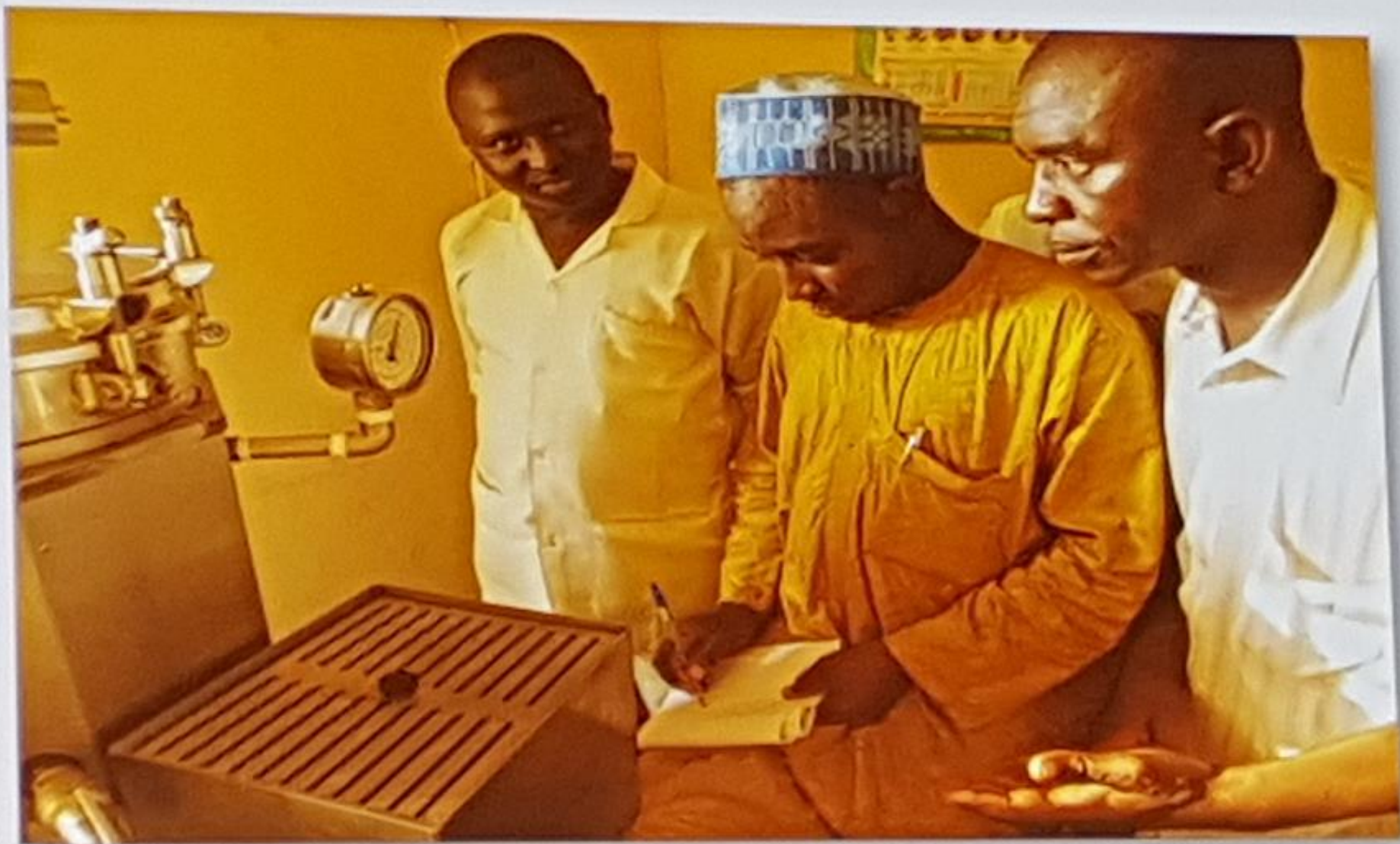
- Must ensure that the quest for an ideal CSSD is not limited to a few leading hospitals!
- Everywhere in the world the patient has the basic right to be treated with a medical device of a high quality, the hospital the same duty!





2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

“Think off” sterilization

- Demand for important investments if needed
- Only the government can give a proper answer to that question
- The world of sterilization also must take one step further to bring the equal treatment of each patient closer
- Sterilization must be “thought off” Jack van Asten
- The liberal interpretation of the details of decontamination remains a sore point in everyday practice

There is a need to define the “state of art”

“Although I already visited a great deal of sterilization departments, I have never seen a department that is identical to another. They are all different”

Peter Hooper



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



2017
18TH WORLD STERILIZATION CONGRESS

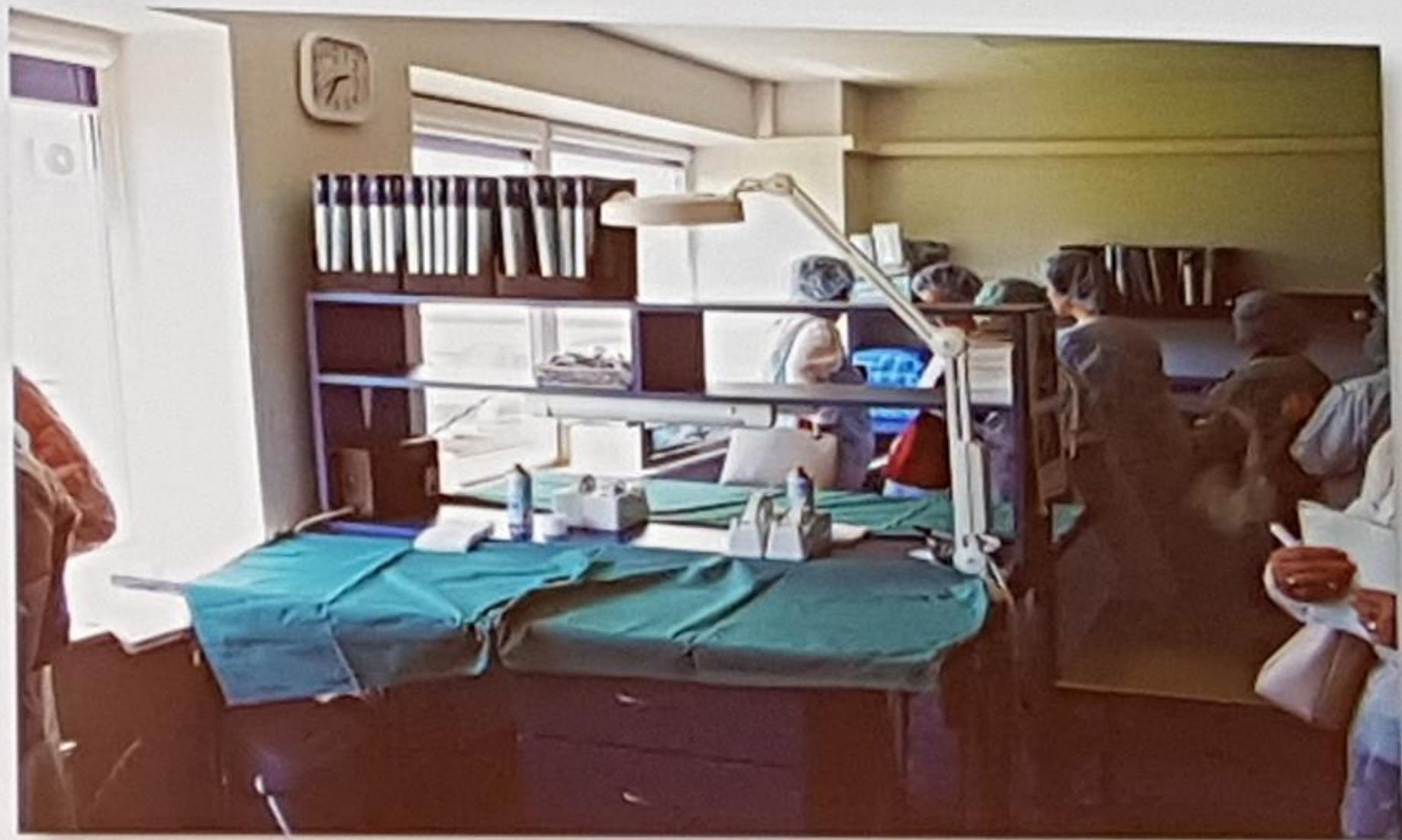
BONN | GERMANY | OCTOBER, 4-7, 2017



2017

18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



2017
18TH WORLD STERILIZATION CONGRESS

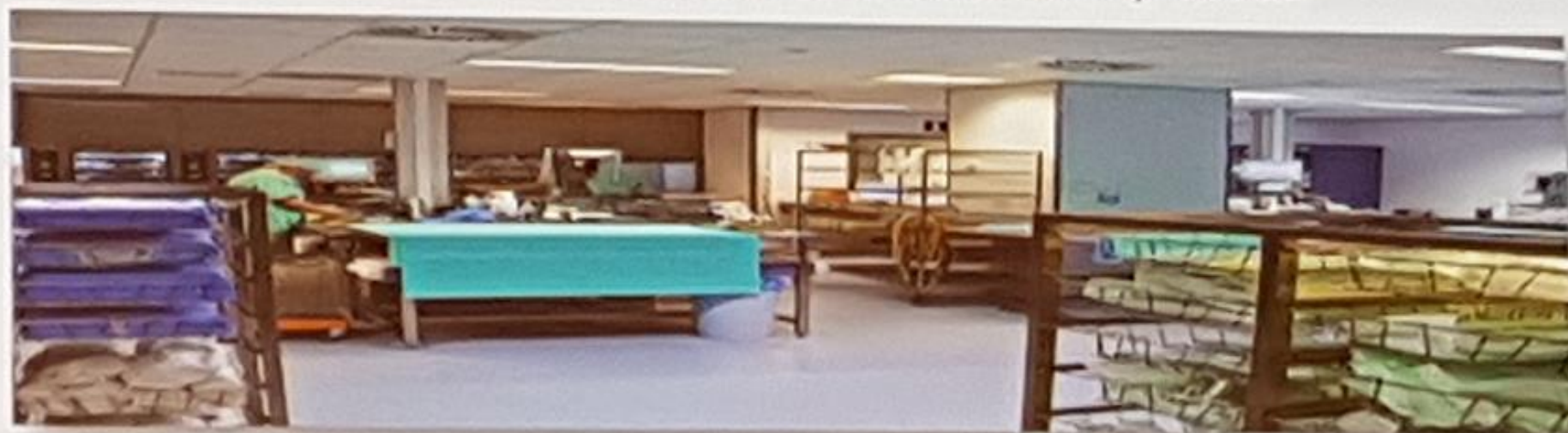
BONN | GERMANY | OCTOBER, 4-7, 2017

There is a need to define the “state of art”

- The same sources are divergently interpreted and thus differently put into practice
- Sterilization seems to be "A most individual expression of a most individual emotion"
- We should be searching for a consensus about what an ideal department and what an ideal way of working can be and evolve in that direction!

Standardization

- On the level of the department
 - improved quality
 - reduced costs
- Between departments
 - uniform and better national and international practice







2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

Sterilization has to be open to change!

- Producing in-house gauzes, surgical dressings, simple care sets
- Using linen as packaging material
- Processes and equipment that are not validated

Cannot be seen as innovative activities!

[An intravesical foreign body by migration of remnant gauze into the bladder: a case report].

[Article in Japanese]

Kashima S¹, Yamamoto R¹, Miura Y¹, Abe A¹, Togashi H¹, Ishida T¹, Matsuo S¹, Numakura K², Habuchi T².

⊕ Author information

Abstract

A 35-year-old female, who had undergone Caesarean sections in 2000 and 2001, presented with repeated candida vaginitis and cystitis. She reported that a piece of gauze was excreted through the urethra in 2005. The patient visited an outpatient clinic, but no foreign body was identified by cystoscopy. She again visited the clinic in 2012 complaining of miction pain, and a calcified mass was identified in the bladder. The patient was then referred to our hospital. During a transurethral operation, crushed stones, which included the gauze, were removed from the bladder. We concluded that remnant gauze left in the abdominal cavity during the previous pelvic surgery, had migrated into the bladder and formed a calcified mass.

PMID: 24755819 [PubMed - indexed for MEDLINE]



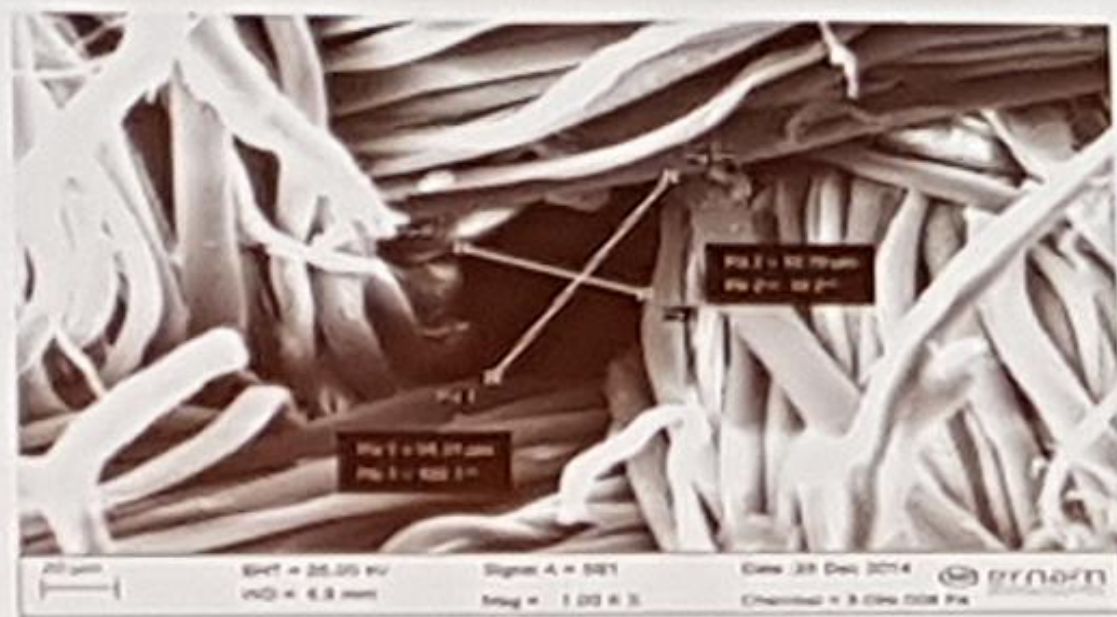
ANNEX I

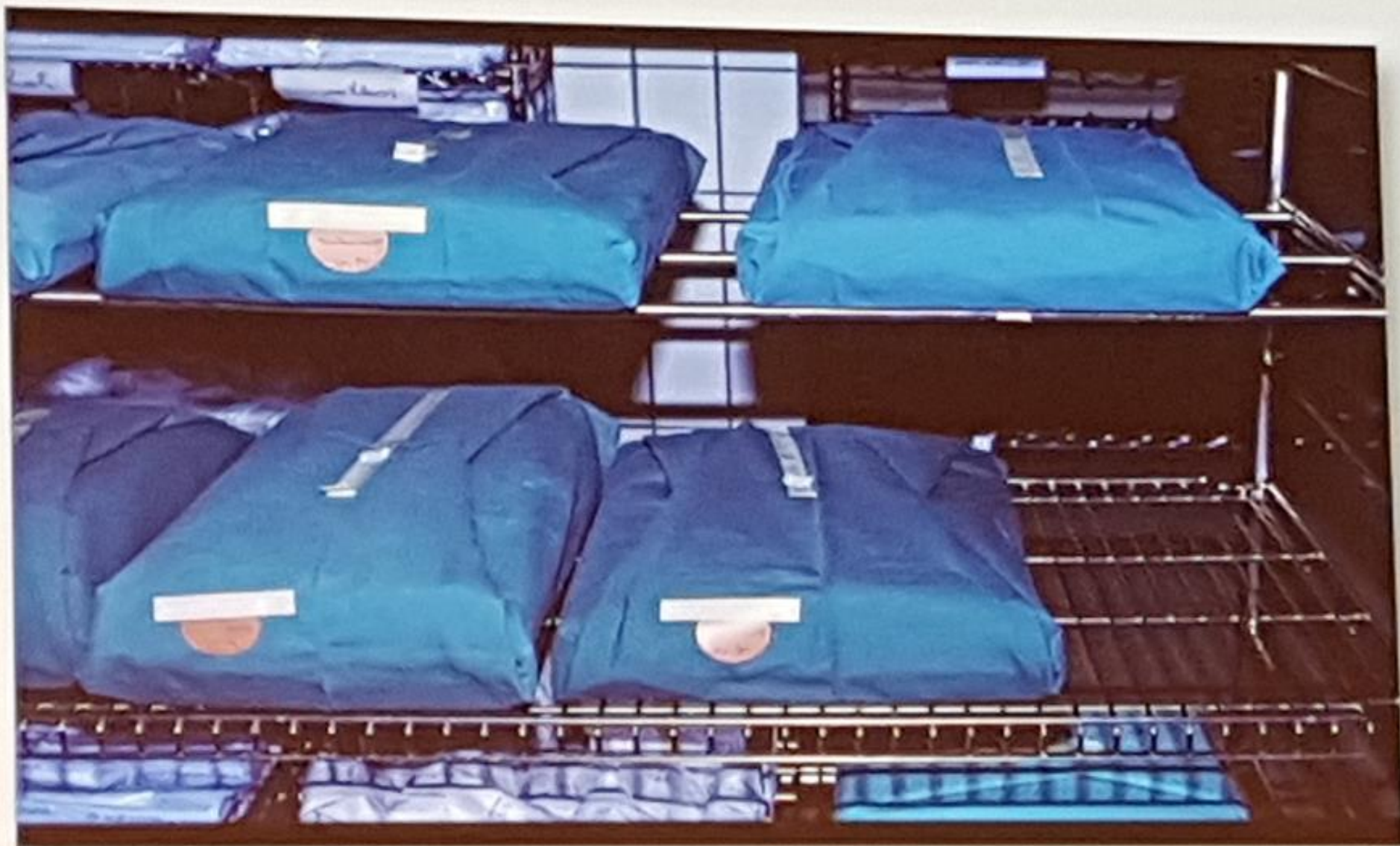
GENERAL SAFETY AND PERFORMANCE REQUIREMENTS

CHAPTER I

GENERAL REQUIREMENTS

- 11.5. Devices labelled as sterile shall be processed, manufactured, packaged and, sterilised by means of appropriate, validated methods.
- 11.6. Devices intended to be sterilised shall be manufactured and packaged in appropriate and controlled conditions and facilities.

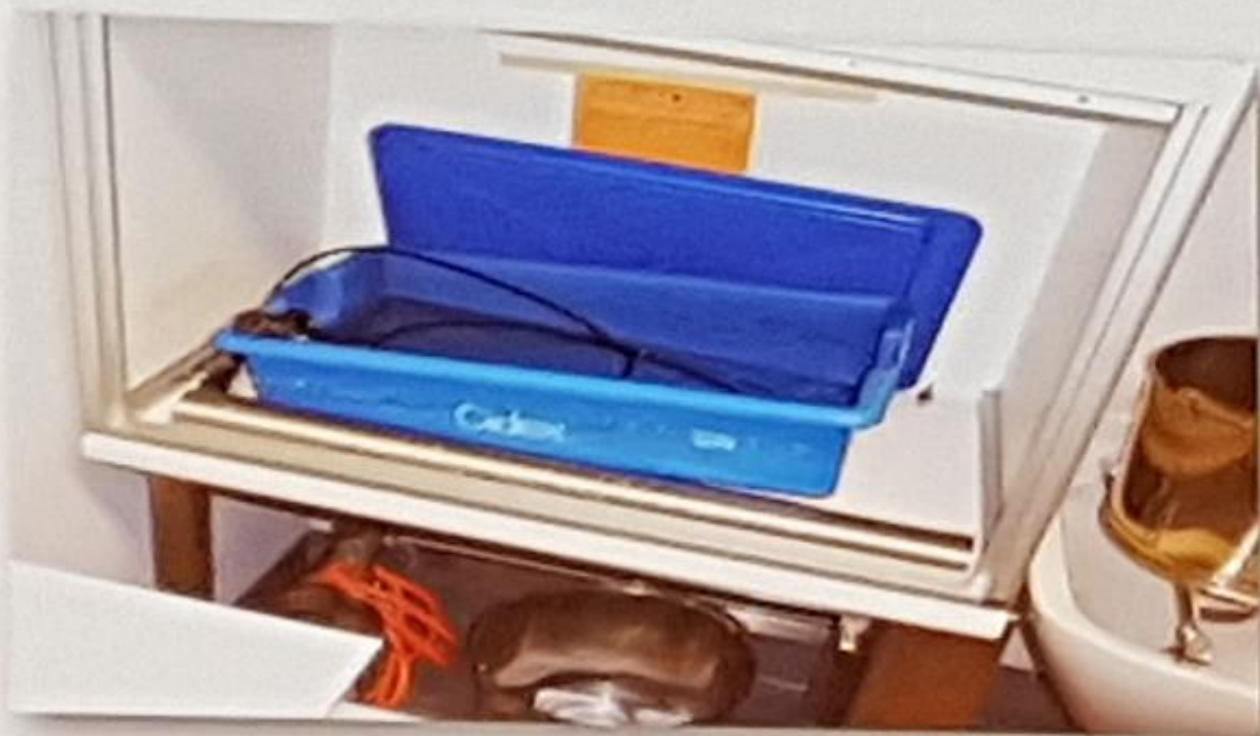




2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

Liquid sterilization?





Reducing Ethylene Oxide and Glutaraldehyde Use

Environmental Best Practices for Health Care Facilities | November 2002

JCAHO Environment of Care Standards 1.3, 2.3, 4.0

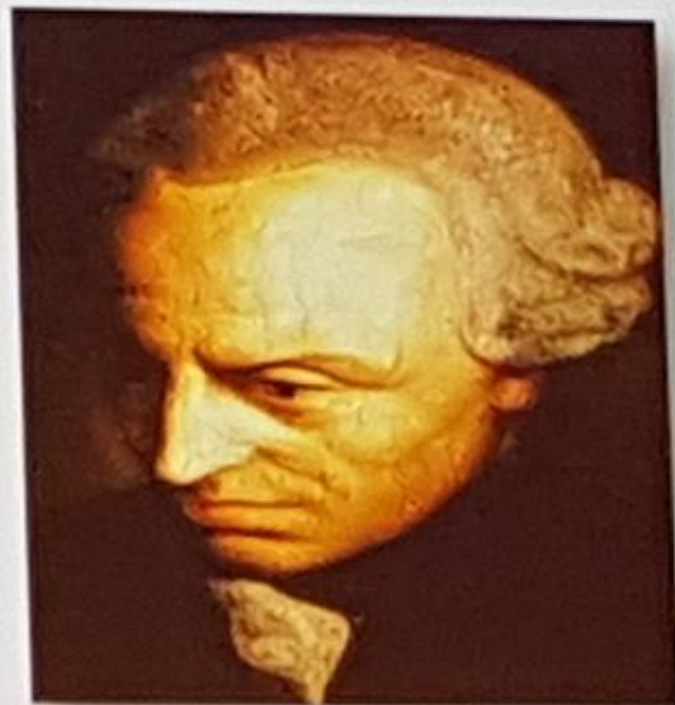
Where are Ethylene Oxide and Glutaraldehyde Used?

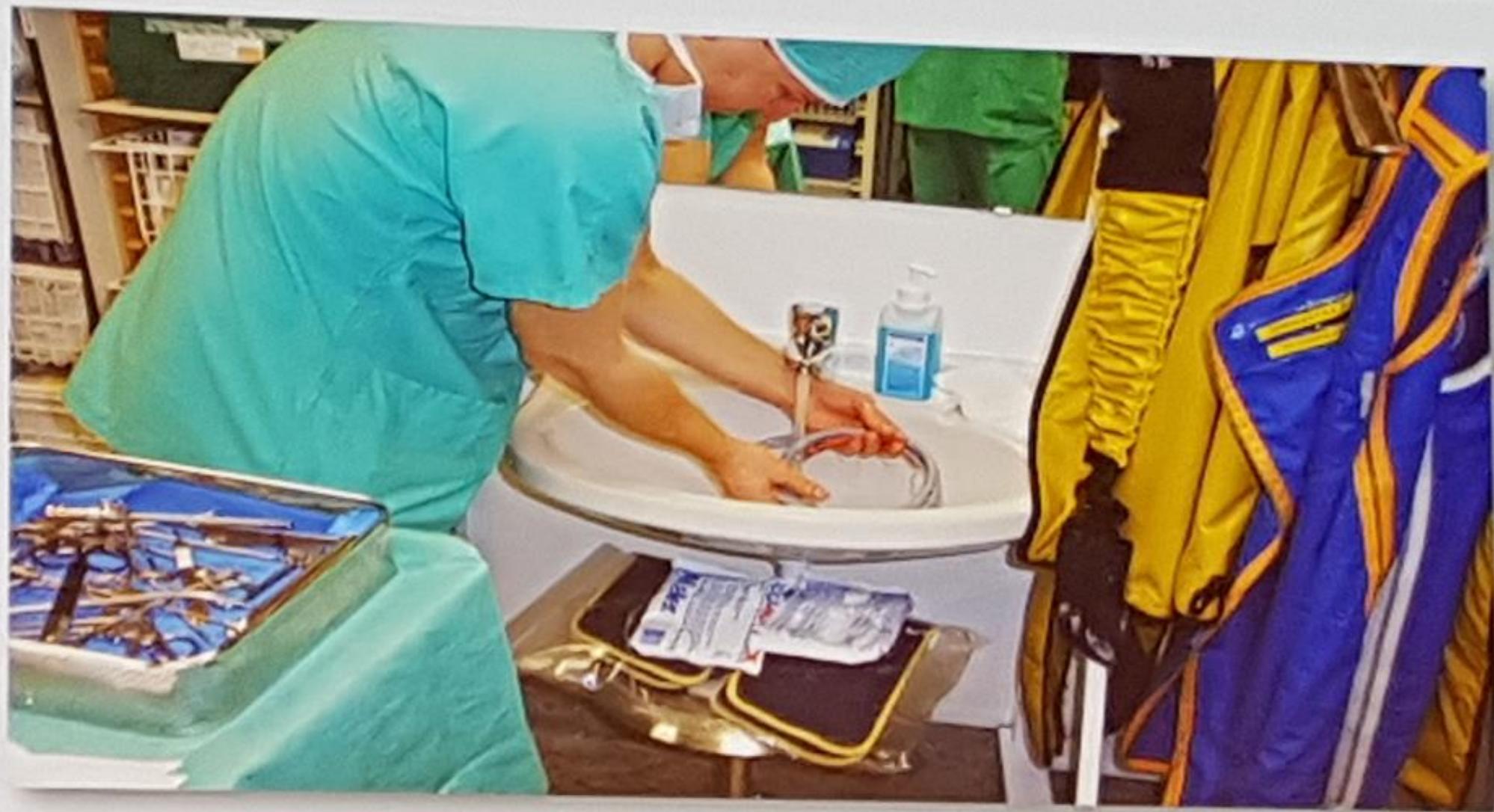
Although many environmentally preferable technologies exist for sterilizing equipment and surfaces within hospitals, these technologies can damage some medical instruments that are susceptible to moisture and heat. In such cases, hospitals typically use ethylene oxide (EtO) to sterilize moisture- and heat-sensitive instruments and glutaraldehyde as a high-level disinfectant. Health care employees who commonly use glutaraldehyde-based products work in many departments, from gastroenterology, urology, and cardiology to x-ray, laboratory, and pharmacy. This fact sheet provides background information on the uses and hazards of both chemicals, describes environmentally preferable alternatives, and provides detailed case study and cost information to help your hospital evaluate alternatives to EtO and glutaraldehyde.

The first step in assessing the impacts of EtO and glutaraldehyde is to conduct an inventory of who, how, and where the chemicals are used in your hospital. Completing the usage inventory will enable you to prioritize your actions, monitor progress in eliminating the use of the chemicals, and ensure that affected employees are included in training and monitoring programs. In addition, an inventory may create opportunities for gathering feedback from hospital personnel on EtO, glutaraldehyde, and which alternatives might be best. Common locations to look for EtO and glutaraldehyde are mentioned in the following sections.

Progress

- Based on evidence, knowledge and experience:
“Dare to know” (Immanuel Kant)
- “Dare to change”: consequently implement
knowledge and expertise
 - All instruments should be treated in the
central department
 - It is not necessary to build in a control of the
control of the control
- It is time to rediscover the essence in sterilization!





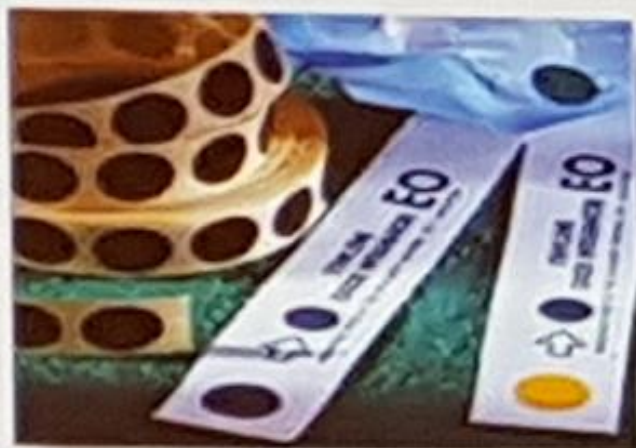
2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

Ophthalmology



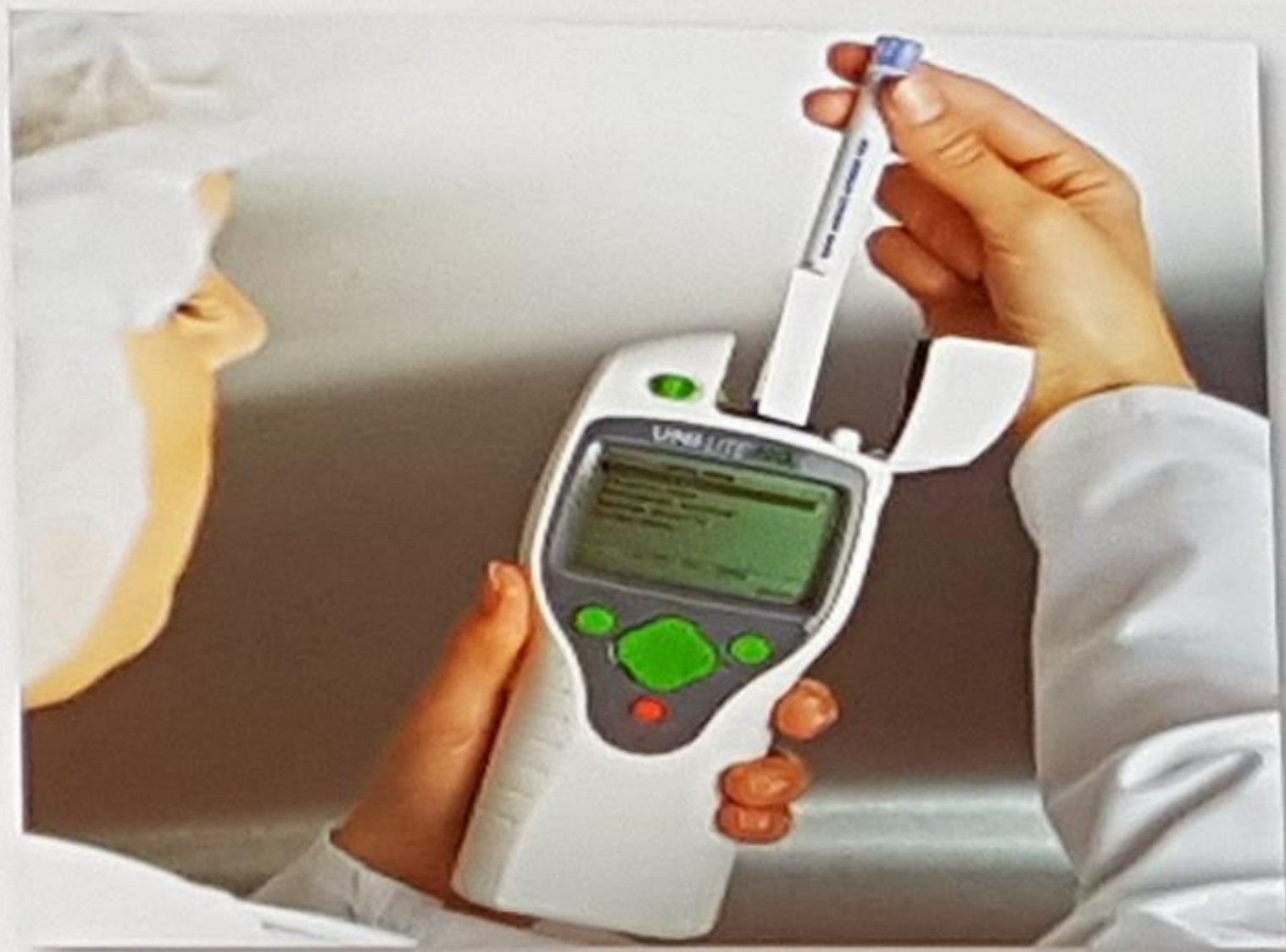
Indicators





2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017





2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017



World Federation for
Hospital Sterilization Sciences

- Home
- About Us
- Members
- Industrial Partners
- Conferences
- Questions & Answers
- Education
- Guidelines & Publications
- Links
- Humour
- EC Section 
- Members Section 

Archive

Contact | Imprint | Bank Contact
Sitemap

Log in / Register

Welcome!

Dear Colleagues, dear Friends,

The primary mission of WFHSS is to contribute ensuring that patients all around the world are treated with high-quality medical devices. A necessary condition for this is that infrastructure, materials, consumables, working methods and training of staff meet essential requirements. The indirect effect is the recognition of the CSSD as a fully-fledged, supportive and constructive department of the hospital.

Cooperation between national sterilization associations with emphasis on exchange of information and sharing of knowledge must foster harmonization. Knowledge hereby is the most important instrument to base practice on evidence from research and to finally get rid of tradition and (bad) habits.

Theoretical knowledge can nowadays everywhere be found and acquired. It is, for example readily available on our website. However, the transposition in practice sometimes is lacking although this is an essential step in the whole process. To eliminate this shortcoming WFHSS launches therefore a practical training

NEWS



[WFHSS Congress 2017!](#)

Bonn, Germany
4th - 7th October

Abstract Submission is Open

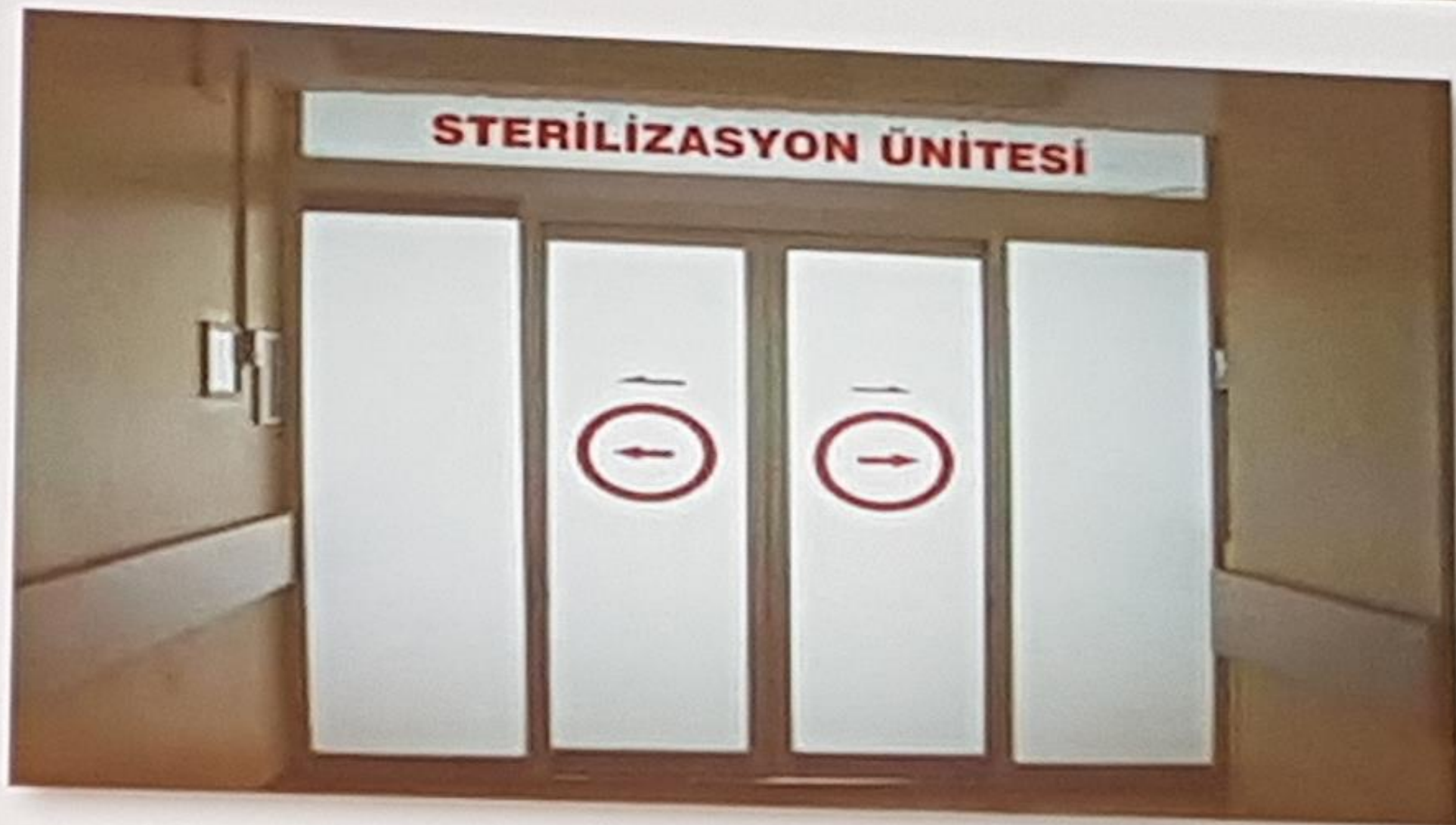
Now!



*Search of a working group
"WFHSS Guidelines"*

18TH WORLD STERILIZATION CONGRESS

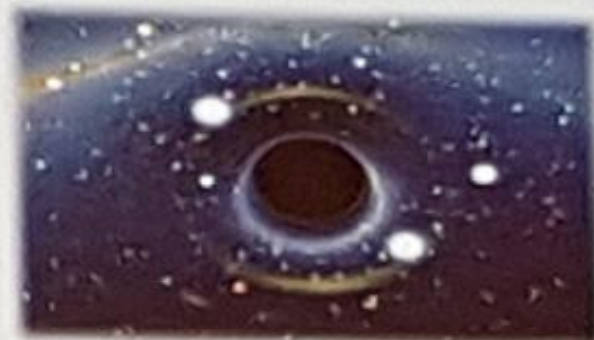
BONN | GERMANY | OCTOBER, 4-7, 2017



2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

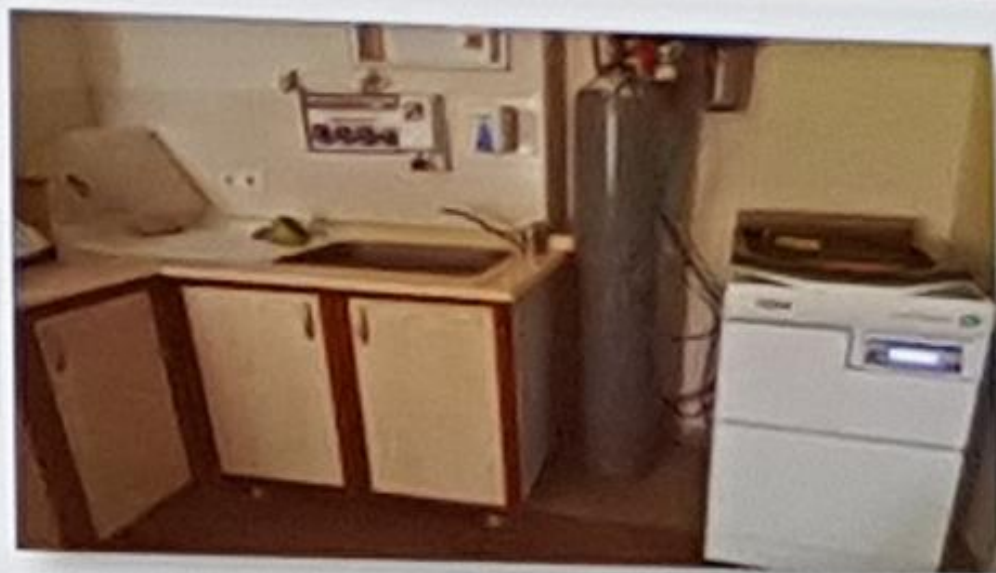
- To deliver a better quality it was necessary for “sterilization” to become an independent department.



- The advantage was that sterilization was so able to further develop its competency and skills and build the necessary self-confidence and self-esteem.

Better CSSD integration





2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

HOME > NIEUWS > BINNENLAND

Desinfectie endoscopen laat te wensen over

19/07/2017 om 05:50 door Made Eckert

In veel ziekenhuizen worden de toestellen voor maag-, long- en urineblaasonderzoeken niet afdoende gereinigd en gedesinfecteerd. 'Als endoscopen eigendom zijn van de arts, is het voor ziekenhuizen niet eenvoudig om af te dwingen dat ze op een bepaalde manier behandeld worden.'





2017
18TH WORLD STERILIZATION CONGRESS

BONN | GERMANY | OCTOBER, 4-7, 2017

CSSD = facility department

- CSSD is an important partner in total care
- As important as the service we provide, as the commitment we show
- Product of the highest possible quality
- 100 % commitment
- Requires alertness and empathy for the patient
- Realize the importance of our service within the framework of care and
- Recognition of it by management



Working environment

- Challenge is to create a working environment where members of staff:
 - love to do their job
 - can develop themselves
 - can realize the objectives of the CSSD
- **This is our brick in the wall of a better world!**



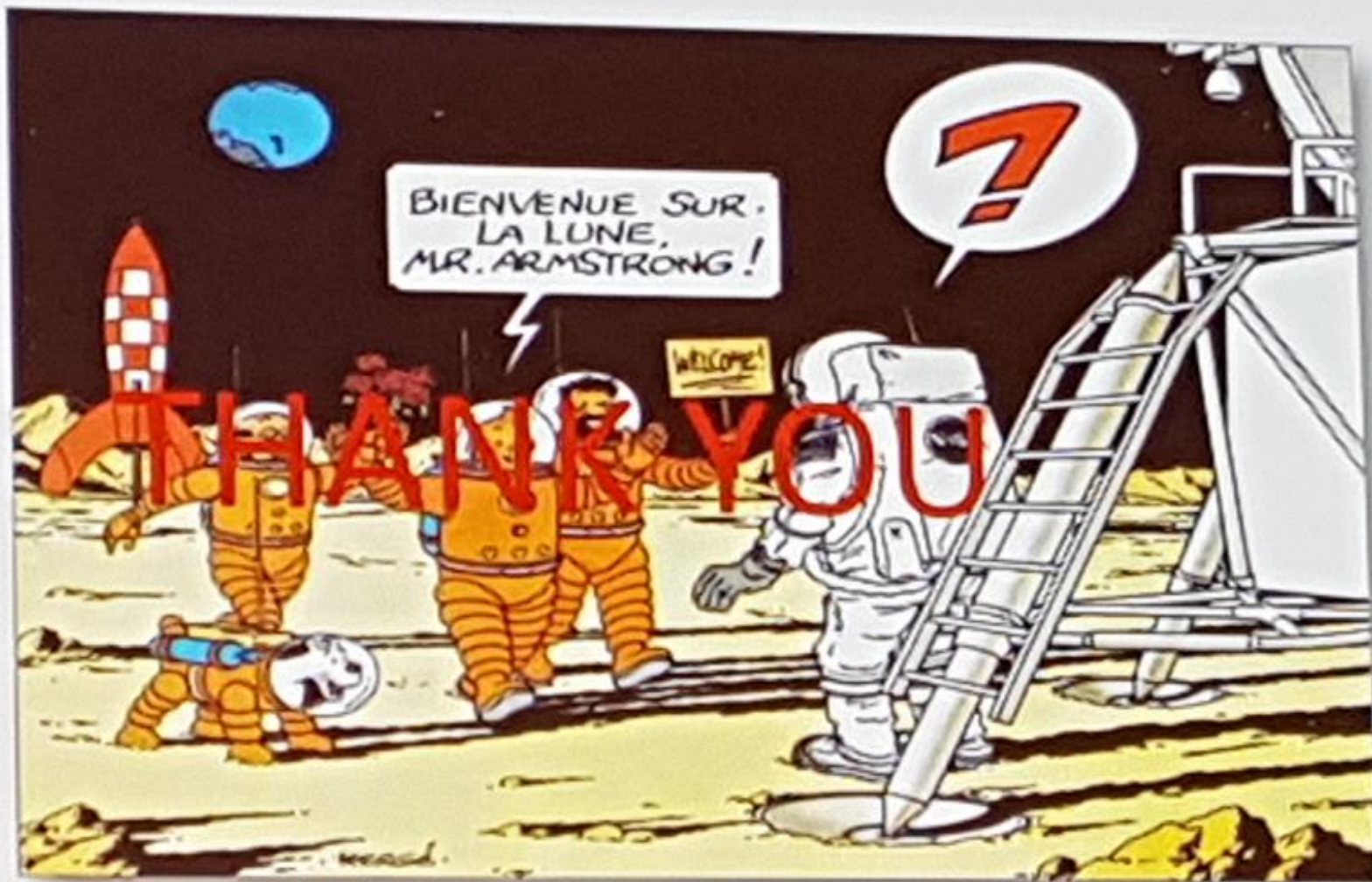
Future must bring

- Uncompromising quality
- High flexibility
- Excellent service
- Attention to members of staff
- Care for the patient

This requires an open mind and courage:

The courage to change!





By believing in your dreams you can turn them into reality (Herge)