STERILIZATION OF MEDICAL SUPPLIES AS A HEALTH RIGHT IN TURKIYE

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Constitution of Turkiye
17th statute

- Every citizen has the right
  - to live
  - to benefit from medical services equally

- None of the medical or experimental therapies can be done on any citizen
  - without informed consent
  - except medical necessities written in laws
Knowledge and applicability of patients' rights has been improving by:

- Education
- Globalisation
- Past experiences
- Government
- NGO
- Internet
- Universities
- TV
Increasing number of invasive procedures

Application of new techniques and instruments

Prolonged length of hospitalization

Increasing number of HCA infections

Increasing number of lawsuits concerning HCAI
Regulations

- Administrative regulations on patient rights
- ISO 13485
- Accreditation criteria of JCAHO
- Administrative regulations of Ministry of health for Infection Control Committees
Patients rights that can be related to sterile supply

- Appropriate diagnosis, medical care, and therapy
- Knowledge about medical interventions, complications, alternative therapies
- Evaluation of all medical records
- Informed consent
- Litigation
Appropriate diagnosis, medical care, and therapy

- Have you ever seen any surgeon or physician answering this question of the patient?

Are these instruments sterile to perform this medical intervention?
Documentation of sterilization procedures and tracing

- These instruments will be used in an implant surgery
- HCAI related implants may occur in 10 years after the operation
- Can you reach all the records of decontamination procedures concerning these instruments 5 years later?
Sterile processing is an integral part of the care process

It is important to assess that
- Equipment is being properly maintained
- Chemicals are being used properly
- Infection control and safety measures are being applied appropriately

Documentation is a must!
Documentation and tracing (2)
Informed consent vs resterilization of SUD

- Is using this SU-catheter for 10th time not a malpractice?

- Who is responsible for the complications on the patient?
  - Physician?
  - Hospital managers?
  - CSSD?
Informed consent vs resterilization of SUD (2)

- What would be the answer if you ask informed consent from the patient for this catheter?
- Even if the answer is “yes”, would it be valid in front of laws?
Resterilization of SUD

- Informed consent of patient means “nothing”

- During resterilization of SUD
  - Regulations
  - National and international guidelines
  - Instructions of manufacturer of SUD should be followed
Malpractice lawsuits related insufficient sterilization of supplies

- No lawsuit up to now!
- Does it mean “sterilization of supplies quite alright in Turkiye”?
Polymicrobial ventriculitis and evaluation of an outbreak in a surgical intensive care unit due to inadequate sterilization

Duygu Esel, Mehmet Doganay, et al.
Evaluation of outbreak

- A case of polymicrobial ventriculitis
- An outbreak of *Serratia marcescens* mediastinitis in the intensive care unit of cardiovascular surgery
- 5 of 17 patients were died
- Microbiological studies were performed on instruments and linens exposed to sterilization process
- The cause of the outbreak was the use of inadequately decontaminated theatre linen
CSSDs in Turkiye

Use of guideline
Sterile storage area
Area separation
CSSD

Esel D, et al.
5th National DAS Congress, Antalya, 2007
Milestones in sterilization in Turkiye

First National Congress on sterilization and disinfection in Samsun, 1999
Milestones in sterilization in Türkiye (2)
Milestones in sterilization in Türkiye

Establishment of DAS (Turkish Society for Disinfection Antisepsis and Sterilization) in 2004
Congresses organized by DAS

800 participants

1400 participants
Milestones in sterilization in Turkiye (4)

- Regional educational seminars organized by DAS since 2005
  - 4 in a year, each seminar in a different region
  - At least 200 participants in each seminar
  - Basic topics on sterilization and disinfection
    - Ideal CSSD, sterilization methods, monitorization, disinfectants, choosing disinfectants and supplies used in CSSD, infection prevention ……
### Milestones in sterilization in Türkiye

(5)

DAS Forum with 800 active participants
Milestones in sterilization in Turkiye

(6)

DAS Books and guidelines
Milestones in sterilization in Turkiye (7)

- Last and current regulation of MOH of Turkiye for hospital settings
- August 11th, 2005 – No: 25903
- Regulation for infection control committees in hospital settings
- Every hospital must have an infection control committee
- ICC has to audit procedures in CSSD to provide patient reached proper sterile supplies
Milestones in sterilization in Türkiye

- First DAS School for training CSSD supervisors in 2008

MOH gave a certificate to the participants at the end of DAS School
Milestones in sterilization in Turkiye (9)

- Academic training of CSSD managers (clinical microbiologists)
- Academic training of CSSD personnel
- Erciyes University, Kayseri-Turkiye
- Two-year High School on Health Sciences after secondary school
- Lessons on sterilization and disinfection in a week in one semester
  - 2 hours theoretical
  - 2 hours practical lessons in CSSD of EUFM
- First students will be graduated in June 2008
Future projects to improve sterilization in Turkiye

- To increase the number of universities training CSSD managers and technicians
- DAS Academy to train and certificate CSSD managers – 2009
- Certification program for CSSD staff
Continuous education of CSSD staff