



Current Developing Status of CSSD in China

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- President of Chinese Nursing Association CSSD Committee
- Standing Member of Hospital Infection Management Committee
- Member of Hospital Infection control standard committee of NHHS Committee
- Member of Sterilization Standard Committee of NHHS Committee
- Member of National Sterilization and Equipment Standard Committee
- > One of initiators of three criteria of standardization of CSSD
- > One of initiators in the formulation of 7 national health industrial standards"

>> Hospital Introduction





National Guidance Center for Diagnosis and Treatment of Difficult and Severe diseases Ranking the top of China's best hospitals for nine consecutive years



Department Introduction

- Construction Area: >22,000 Square feet
- Equipment: 9 steam sterilizer
 - 4 low temperature sterilizer
 - 11 automated washers,
 - 5 automated washers for flexible endoscopes
- Reprocessing Qty: > 5000sets/day
- National CSSD training and operating practice base; Beijing CSSD specialized nurses clinical education base









1.Review of CSSD History

2.Development Background

3.Current Developing **Status**

4.Challenge & Vision











>> 1. REVIEW OF CSSD HISTORY











1.Review of CSSD History

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>>> Development of CSSD in China—in 1970's





primitive devices, unscientific layout No guidance and ordinance from the government





Development of CSSD in China—in 1980's





the treatment of syringes , infusion devices
simple diagnostic, therapeutic instruments and items
the 1988' s government CSSD simple standard



>>> Development of CSSD in China—in 1990's





•ultrasonic washer•semi-automated washer•The working area divided





Development of CSSD in China—in 2000's





Modern management and function.
2004, CNA-CSSD established.
2009, WS 310, first systematic disinfection and supply industrial standard, released.

acs 11.020 c05	KCS 11.020 C05	xcs 11.020 cd8	
中华人民共和国卫生	中华人民共和国卫生行	WS 中华人民共和国卫生行业标准 ws 310.1-2009	
医院消毒供应 F 第3部分:清洗消毒及灭菌 Central storic supply departme Part II: surveillance stankerd for cleaning.di	医院消毒供应中心 第2部分:清洗消毒及灭菌技术 Central storile supply department (CSSB) Part II: standard for operating precedure of cleaning and storilization	医院消毒供应中心 第1部分:管理规范 Central sterile supply department (SSB) Part 1; management standard	
2009-04-01 发布 中华人民共和国卫生	2009-04-01发布 中华人民共和国卫生部	2009-04-01 20 # 2009-12-01 #1 中华人民共和国卫生部 2 *	





Backward equipment

facilities

>Unreasonable

staff structure

>No job training





> Lack of uniform processing standard for technical operation in CSSD

- Washings: manual job
- short of medical detergent
- Package: cotton cloth.

Neview of Chinese CSSD History : before the Implementation of WS310

No reliable periodic inspection and evaluation system and method for cleaning and sterilizing equipment

- No test for the sterilization, disinfection and cleaning effect
- Lack of quality control and evaluation for the sterilizing, disinfection and cleaning apparatus
- No quality test for water.
- Information technology didn't be applied in the management of CSSD and there was no quality tracking of sterile goods



>> 2.DEVELOPMENT BACKGROUND











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>>> Development Background



WS

ws 310.1-2009

2009-12-01 实施

医院消毒供应中心

第1部分·管理规范

Central sterile supply department (CSSD

中华人民共和国卫生部 2 *

Part 1 ; management standard



>>> WS310 Industrial Standards of CSSD in Hospital



- WS310.1-2016 Part 1: Management Standards for CSSD
- WS310.2-2016 Part 2: Standards for operating procedure of cleaning, disinfection and sterilization of CSSD
- WS310.3-2016 Part 3: Monitoring Standards for cleaning, disinfection and sterilization of CSSD



The three standards constitute the standard requirements of management, technical operation and monitoring of CSSD in hospital.

The three standards cover structural management, process management, management evaluation and management requirement of quality system and continuous improvement.

Setablishing the professional committee: CNA-CSSD

CNA-CSSD, national, provincial and municipal professional committee,

A system push development of CSSD in China







Promoting Development & Implementing Standards

A domestic academic exchange platform for academic exchanges and communication among different provinces, to balance and enhance the professional development of different regions.



Promoting Development & Implementing Standards

Twelve national standard and practice training bases have been established, CSSD specialist nurses training have been carried out in various provinces and municipalities.





Promoting Development & Implementing Standards

The supervision of standardization has enforced by top-down inspection and quality improvement













>> Promoting Development & Implementing Standards 🦈

- strengthen international exchange and learn advanced experience of international counterparts
 - > Join WFHSS and expand the horizon of academic exchange



> we visited and got visited by our oversea counterparts to exchange each experience.

> Participate in the CSSD Open House Day to show present Chinese CSSD to the World





>> 3.CURRENT DEVELOPING STATUS











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3.CURRENT DEVELOPING STATUS

- Standards & guidelines
- Centralized management
- Equipment & facilities
- Personnel & qualifications
- Professional training
- Survey
- R&D and innovation





Current Developing Status—Standards & guidelines



2009-2019 Decade of CSSD Development in China



>>> Current Developing Status—Standards & guidelines



CNA-CSSD Participate in formulating national standards, compiling technical guidelines



Surrent Developing Status—Centralized management

4.1 Hospital

4.1.1 Centralized management should be adopted. CSSD is responsible for the receiving, cleaning, disinfection, sterilization and supply of all reused diagnostic and therapeutic instruments, devices and articles that need to be disinfected or sterilized.



Surrent Developing Status—Centralized management

Centralized CSSD management was adopted by 93% of 900 hospitals in China



Scale Map of CSSD Management Mode in 2019



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>>> Current Developing Status—Equipment & facilities



Coverage rate of various equipment among Chinese hospitals:



Surrent Developing Status—Personnel & Qualification

The CSSD staff are basically composed by nurses, the management staff who got college or higher education reached up to 73%

Nursing staff proportion in CSSD from 2017 to 2019

	2019	2018	2017
A. <20%	12%	2%	5%
B. 20-30%	6%	3%	6%
C. 30-50%	15%	16%	18%
D. 50-70%	23%	23%	27%
E. >70%	43%	56%	44%



2 College degree

③ Bachelor degree

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Current Developing Status—Professional training



Promoting the development of sub-specialty, CSSD specialized nurses training is one of priorities .



Current Developing Status—Professional training



- National Operational Guidelines for Cleaning, Disinfection and Sterilization of Rigid Endoscopes and Instruments
- National Operational Guidelines for Cleaning, Disinfection and Sterilization of Ophthalmic Surgical Instruments
- National Operational Guidelines for Cleaning, Disinfection and Sterilization of Loaner Instrument"
- The first Best Practice Competition of Reprocessing Guide



Current Developing Status— Survey

From 2013 to 2019, CNA-CSSD completed 13 national surveys. It covers the current status of precise surgical instruments, loaner instruments and implants, application of IFUs, post setting and centralized management, etc.



Current Developing Status—R&D and Innovation

20% of hospitals in China carried out clinical evidence-basis or scientific research projects.



532家CSSD开展的科研项目的方向是

training, quality improvement, etc.

Current Developing Status—R&D and Innovation

CSSD R&D innovation in clinical practice gave birth to many patent applications.















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Challenge & Vision—Challenges



Further promoting the Reprocessing of Difficult Specialized instruments in CSSD Centralized Management

- **01** + Reprocessing of flexible endoscopy
- **02** + Reprocessing of loaner instrument
 - Pay Attention to Key Points and Processes to Improve the Reprocessing Quality of Instrument
 - 1 Steam quality
- **02** Obtain and follow the manufacturer' s IFUs

Exploring the Development of outsourced CSSD/Medical union CSSD

Challenge & Vision—Challenges



Application Status of CSSD Information System



>>> Challenge & Vision—Vision



Digitalized CSSD





Big Data Helps CSSD Enter the Age of Intelligence





THANKYOU FORYOUR ATTENTION!

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