

**Unveil the Myths of CSSD, Promote Mutual and Professional Development**  
**The 6th International Day of Sterilisation Sciences: CSSD Open Day Activity of West**  
**China Hospital Sichuan University**

By: Zhou Xiaoli, Chen Boqiao, Chen Hui, Zeng Aiying

From: The CSSD of West China Hospital Sichuan University

West China Hospital Sichuan University is a large-scale general hospital with a history of more than 100 years. It is a comprehensive medical center integrating medical treatment, teaching and scientific research in western China. The CSSD of West China Hospital Sichuan University is a centralized CSSD established and perfected with the development of the hospital.

The CSSD of West China Hospital Sichuan University has a total of 3 campuses: West China Campus, Wenjiang Campus and Xinchuan Campus, and now it has a team of more than 240 employees.



**Family Photo of the CSSD of West China Hospital Sichuan University**

The CSSD is equipped with 4 sets of Multi-chamber Washer-Disinfectors, 8 sets of Ultrasonic Cleaners, 8 sets of Ethylene Oxide Sterilizers, 12 sets of Hydrogen Peroxide Sterilizers, 23 sets of Steam Sterilizers, 8 sets of Biological

Detection Equipment, 8 sets of High-temperature Drying Cabinets, 2 sets of Vacuum Drying Cabinets, 4 sets of Endoscope Cleaning Sinks, 5 sets of Water Treatment Equipment and 9 sets of Medical Plastic Packaging Machines. The CSSD is responsible for the supply of reusable devices, instruments, items and medical fabrics for more than 100 departments and 5,500 beds of the hospital.

In recent years, the CSSD edited/co-edited 18 monographs and published more than 140 papers in core journals. The CSSD also participated in 5 projects supported by the Provincial Department of Science and Technology, was responsible for more than 20 college-level horizontal scientific researches, declared and obtained 34 National Patents. The CSSD has successively won the second prize of Chengdu Science and Technology Progress Award, the third prize of Sichuan Science and Technology Progress Award, the third prize of Chinese Nursing Association Science and Technology Progress Award, and the third prize of Chinese Hospital Association Science and Technology Innovation Award. Besides, the CSSD participated in the revision of the Industry Standards of the National Central Sterile Supply Center, and the drafting of the Implementation Guidelines for Washing Quality Evaluation of Medical Fabrics and the Implementation Guidelines for Quality Evaluation of CSSD, etc., playing an active role for the professional construction and development of CSSDs.



### Poster

The World Federation for Hospital Sterilisation Sciences (WFHSS) designates April 10th as the International Day of Sterilisation Sciences, calling on the global CSSDs to open their doors and spread the knowledge on the reprocessing of reusable medical devices and related cleaning, disinfection and sterilization sciences, hoping that with on-site visits, on-site operation, and interactive communication, people could understand more about CSSD so that the safety and effectiveness of sterile item supply and usage can be promoted and medical safety can be ensured.

On April 8th, 2022, on the occasion of the International Day of Sterilisation Sciences, the CSSD of West China Hospital Sichuan University actively responded to the call of WFHSS and held an Open Day Activity with the theme of “Unveil the Myths of CSSD, Promote Mutual and Professional Development”. All the healthcare workers of the hospital were invited to take a closer look at the CSSD and to learn the reprocessing process and requirements of reusable medical devices.



**The venue preparation and free books**

The epidemic prevention and control measures were strictly implemented in this activity. Participants measured their body temperature, checked their health and travel code, COVID test results within 48 hours, and filled in the registration form on the open day.





### **Epidemic prevention and control and sign in**

At the beginning of the activity, visitors visited the working environment in the CSSD. By carefully collecting, checking, loading and cleaning instruments, the Decontamination Area is the first step to ensure instrument safety. Instruments are inspected one by one, and then packed and sterilized according to procedures in the inspection, packing and sterilization area, which is the second step. In the sterile storage area, after physical monitoring, chemical monitoring and biological monitoring, instruments are distributed to all clinical departments. The sterile storage area is the third step for instrument safety. Through the visit and introduction, visitors learned about the CSSD, which collects, classifies, cleans, disinfects, dries, checks and maintains, packs, sterilizes, stores and distributes reusable medical device, turning them from contaminated instruments to ready-to-use instruments.



### **Visiting the working environment**

"Have you seen the CSSD at 4 a.m.? When all the lights are off, the machines here are

still running and the lights are as bright as day." After visiting the three areas, visitors watched a video, which tells the history of the CSSD, the development of modern disinfection supply technology and the intelligent CSSD operation mode. As an interdisciplinary discipline composed of nursing, public health, preventive medicine and public management, disinfection and supply is accelerating its development and contributing to the strategy of healthy China.



**Visitors are watching the video**

Visitors observed the inspection and assembly of surgical instruments, the interpretation of high and low temperature sterilization results, and the assembly and disassembly of endoscopic instruments. Practical experience let visitors truly realize the preciseness and importance of disinfection and supply. After the activity, everyone spoke highly of the rigorous work, solid ability and open attitude of the CSSD. At the same time, they also put forward opinions and suggestions on how to improve.



### **On-site visit**

As the "heart" of the hospital, the CSSD continuously provides the hospital with safe reusable medical instruments every day. This activity not only popularized the knowledge related to disinfection and sterilization, but also built a platform to enhance the communication between departments, and further improved the communication and cooperation between the CSSD and departments.

April 10, 2022