

Exploring the Essentials of Sterile Supply and Fostering Quality in CSSD

Documentary of The 9th International Day of Sterilisation Sciences

CSSD Open Day Event

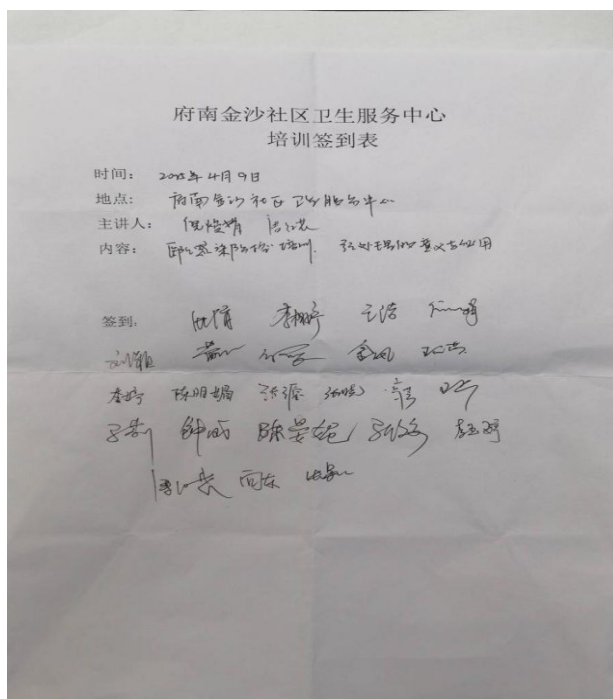
Held by the No. 1 Orthopedics Hospital of Chengdu

Written by Hang Honghua from the No. 1 Orthopedics Hospital of Chengdu



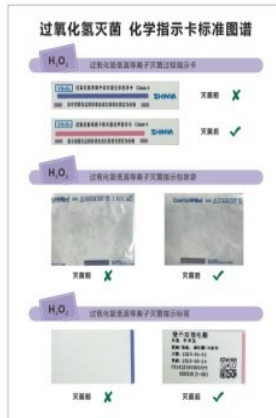
The World Federation for Hospital Sterilisation Sciences (WFHSS) designates April 10th as the International Day of Sterilisation Sciences, calling on the global CSSDs to open their doors on this day so that more people will come to the CSSD and understand the reprocessing processes.

To respond to the call from the The World Federation for Hospital Sterilisation Sciences (WFHSS) and to enhance communication and collaboration between the CSSD and off-site sterile supply centers, as well as to provide high-quality nursing services and ensure safety and quality, the CSSD of the No. 1 Orthopedics Hospital of Chengdu held the 9th International Day of Sterilisation Sciences CSSD Open Day Event on April 9, 2025. The event, themed "Exploring the Essentials of Sterile Supply and Fostering Quality in CSSD" invited leaders of the offsite sterile supply centers, chief physicians, clinical head nurses, doctors, and nursing staff, a total of over 20 personnel to participate.



Preliminary Preparation: Focus on Details and Build a Bridge for Communication

In anticipation of the International Day of Sterilisation Sciences, the CSSD planned a series of warming-up activities: sending fruits, small gifts and standard charts of high-temperature/low-temperature sterilization chemical indicators to offsite sterile supply centers, promoting the theme and significance of the event.



Posters were set up in the lobby of offsite sterile supply centers to educate medical staff and patients about sterilization science, fostering an awareness of building a “safety defense line.”



Opening Ceremony: Focusing on Infection Control and Collaborative Mission

The event was hosted by Tang Honghua, head nurse of the CSSD, who detailed the agenda and significance of the event, emphasizing the CSSD's pivotal role as the “heart of infection control” within the hospital: “Every instrument’s cleaning, disinfection, and sterilization process directly relates to patient safety, requiring a unified commitment to maintain quality standards.”



Li Xiaoyu, head nurse from the Funanjinsha Community Service Center in Qingyang District, expressed gratitude on behalf of the offsite sterile supply centers, stating, “Such activities provide valuable learning platforms for both parties, helping us address infection control challenges and understand sterilization science. We look forward to enhancing infection control collaboratively.”



**Academic Sharing: Addressing Difficulties and Challenges in Infection Control
Preventing Multi-Drug Resistant Organisms: From Standards to Practice**

Ni Huanjuan, Director of the Public Health Department at the No. 1 Orthopedics Hospital of Chengdu, shared prevention strategies for multi-drug resistant organisms and corrective measures through case studies, questions, and interactive discussions. This provided offsite sterile supply centers with practical infection control solutions.



The Significance and Application of Pretreatment: The “Key” to Successful Sterilization
Head Nurse Tang Honghua of the CSSD presented a slides on the importance and application of pretreatment, outlining industry standards and key points. She focused on essential operational norms before instrument collection in offsite sterile supply centers, indicating that sterilization is foundational while thorough cleaning is essential—in short, “Pretreatment quality is the first guarantee for sterilization effectiveness.”



Visual Science: The Rust Removal of Instruments

A self-made educational video titled “The Amazing Journey of Rust Removal of Instruments” was played on site, visually demonstrating the full process from cleaning and rust removal to proper maintenance for qualified reuse, making the abstract techniques of rust removal tangible.



Practical Demonstration: Hands-On Guidance for the Standards of “Qualified Sterile Packs” and Pretreatment techniques

Zhang Yuhong and Xiang Dong, key staff from the CSSD, demonstrated key points for determining the compliance of high-temperature and low-temperature sterilization packs, contrasting the results of chemical indicators for unsterilized packs with those that had undergone sterilization. They provided on-site guidance on pretreatment techniques, connecting theory to practice and facilitating mutual learning and exchange.



Event Outcomes: Open Communication Promotes Collaboration to Build a Safety Net

This CSSD Open Day event combined “theoretical instruction, practical demonstrations, and visual education,” enabling frontline clinical workers from offsite sterile supply centers to deeply understand the importance of infection control and appreciate the rigor and professionalism of

the CSSD. Participants' feedback indicated unanimous agreement on these points: infection control risks are everywhere, and professional knowledge is essential for ensuring safety. "I didn't realize there was so much scientific consideration behind reprocessing. In the future, I will certainly ensure proper pretreatment and work closely with the hospital to uphold safety standards."

The event created an open communication platform between the CSSD of the No. 1 Orthopedics Hospital of Chengdu and offsite sterile supply centers, marking a partnership upgrade from "one-way supply" to a "collaborative quality control". Moving forward, the hospital will continue to promote the dissemination of infection control knowledge, safeguarding the "invisible defense line" of patient safety.

April 10 2025