

Promoting the Concept of Green Development, Advocating A Culture of Safe Sterilization

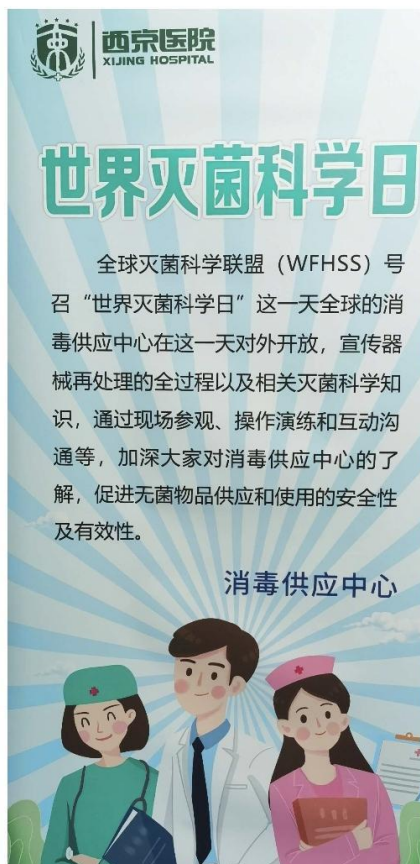
The International Day of Sterilisation Sciences Open Day Event at the CSSD of Xijing Hospital

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In April, as spring blossoms and all things revive, a special day approaches—April 10th, the International Day of Sterilisation Sciences. The CSSD of Xijing Hospital opened its doors to host a unique Open Day event with the theme of "Promoting the Concept of Green Development, Advocating A Culture of Safe Sterilization." The event invited special guests including Director HU Xuehui from the Nursing Department, chief nurses, as well as clinical professionals, technicians, nurses, and students from various department totaling more than 80 people to visit and explore the detail of the work and unveil the mysterious CSSD.

Event Preparations

During the event preparation, head nurse WANG Qi, along with all the staff at the CSSD, worked together to meticulously create promotional brochures, videos, posters, and electronic invitations. Additionally, a special game called "CSSD Open Day, Stamp Collection Challenge" was organized to provide a fun and interactive way for participants to gain a deeper understanding of the CSSD.





■ 世界灭菌科学日?

世界灭菌科学日是由世界医院灭菌科学联盟 (WFHSS) 设立的, 定于每年4月10日, 其目的是提高全球医院消毒供应中心的工作质量和器械安全保障能力, 通过宣传器械在处理过程及灭菌科学知识, 进一步推动消毒供应工作发展。

■ 世界灭菌科学日的意义?

世界灭菌科学日的设立, 旨在提高公众对灭菌科学的认识和重视程度, 促进灭菌技术在各个领域的应用和发展, 从而保障人们的健康和生命安全。

■ 科室简介

消毒供应中心是医院内承担各科室所有重复使用诊疗器械、器具和物品清洗消毒、灭菌以及无菌物品供应的部门, 简称CSSD(Central sterile supply department)。

科室占地1800平方米, 拥有灭菌器14台, 日均灭菌80+批次; 大型清洗消毒机7台, 日均清洗100+批次; 日均处置手术器械、诊疗器械及精密器械等1400余份。



■ CSSD工作流程



临床科室现场管理

使用者在使用前或使用后去除器械上残留的血液(渍)、组织和肉眼可见污染物以及进行保湿等操作。现场预处理可有效降低器械腐蚀, 延长器械使用寿命。

CSSD物品处置十大流程

- 回收:** 使用者应将使用后的复用诊疗器械、器具和物品与一次性使用物品分开放置, CSSD采用封闭方式回收。
- 分类:** 清洗前根据器械、器具和物品材质、结构、污染类型和污染程度进行分类。
- 清洗:** 去除器械、器具和物品上污物的全过程, 包括冲洗、洗涤、漂洗和终末漂洗。
- 消毒:** 应根据物品的风险等级分类选择对应的消毒水平及方法。
- 干燥:** 首选干燥设备进行干燥, 不耐热器械、器具和物品可采用消毒的低纤维絮布、压力。

At 14:20 in the afternoon, while the warm sun was gently embracing the earth, two CSSD colleagues were already waiting at the entrance, ready to welcome the guests. As the guests arrived one by one, there held a brief signing ceremony, indicating the official start of this Open Day event.



Head nurse WANG Qi warmly welcomed and sincerely thanked all the guests. She explained the theme and significance of the event, and introduced the layout, personnel, equipment and facilities, quality control management, and department construction of the CSSD.

Let's experience the ordinary yet rigorous work of the CSSD team together!

On-site Visiting

The First Stop

The Sterile Storage Area.

Strictly following the principle of personnel flow from clean to dirty and being guided by the guides, all the guests were divided into different groups and entered the work area for on-site visiting, where the guides explained the requirements for using the distribution track and the storage standards for sterile items.



At the same time, the staff patiently introduced the interpretation and application of various chemical monitoring indicators, and conducted vivid demonstrations.



Game 1: A test for sharp eyes?

Participants need to find two non-compliant items on the booth to pass the game and earn a PASS stamp. This challenge assesses participants' professional knowledge and observation skills.



The Second Stop

Inspection, Packaging and Sterilization Area.

The guide explained the working principles and operational key points of high and low-temperature sterilizers and cleaning machines.



Following this, two workshop guides shared the selection criteria for common packaging materials and their applicable ranges, as well as the core points of cleaning quality monitoring. To provide a more vivid experience, the guides also demonstrated the operations of insulation testers, lumen inspection systems, and ATP detectors. These demonstrations allowed the guests to deeply understand the rapid development of CSSD in recent years and the meticulous work attitude of the CSSD staff.



How to choose and use the packaging materials



Cleanliness inspection methods and key points

During the game session, here came the second challenge: Participants are required to accurately and orderly assemble the cleaned instruments provided on the display within 2 minutes and place them in the instrument basket. This challenge not only tests the participants' operational ability but also evaluates their familiarity with the instruments. Participants pass the game will receive a second PASS stamp.

Subsequently, we moved on to the third challenge: Do you know how to pack? Participants need to properly package the instruments using the provided packaging materials, this challenge not only test their packaging skills but also highlighted their paying high attention to packaging standards and safety. Participants pass the game will receive a third PASS stamp.



Do you have skillful hands?



Do you know how to pack?

The Third Stop

The Decontamination Area.

The guide introduced various equipment including AERs, ultrasonic cleaners, pressure boiling cleaning machines, as well as showcased the importance of selecting various cleaning agents, consumables, and cleaning tools. This process not only allowed guests to personally experience the challenging makeover from "dirty" to "clean" and perfect rebirth of reusable medical instruments, but also provided a deeper understanding of the significance and professionalism of the CSSD's work.



Get to know washer-disinfectors



How to choose the proper detergent and cleaning tools

Finally, we came to the exciting fourth challenge: Can you answer quickly and accurately? In this session, participants need to demonstrate how professional they are regarding the knowledge of cleaning, disinfection, and sterilization. They must answer at least one question correctly to get the PASS stamp. After intense competition, those who successfully passed all four challenges received exquisite gifts as recognition and encouragement for their outstanding performance.



As the setting sun cast its warm glow over the land, this unique open day event came to a successful conclusion.



During this Open Day event, CSSD staff proved themselves that CSSD is an excellent nursing team with enthusiasm and professional knowledge. Through on-site visits, workshop demonstrations, interactive sessions, and more, hospital staff gained a deeper understanding and trust of the CSSD, laying a solid foundation for future collaboration. "Though flying high, we have yet to reach the blue sky." Therefore, we will continue to uphold the belief of "Caution, Rigor, and Diligence," wholeheartedly providing safe and reliable sterile items for clinical departments and operating rooms to safeguard the lives and health of patients.

