

第十届“世界灭菌科学日·消供开放日”

“科学灭菌 无菌护航 开放供赢”

10th International Day of Sterilisation Sciences: CSSD Open Day Event

Scientific Sterilization · Ensuring Safety · Shared Excellence

举办医院：成都市郫都区第二人民医院

Hosted by: The Second People's Hospital of Pidu District of Chengdu

供稿 | 成都市郫都区第二人民医院 谢锦

Written by: Xie Jin from The Second People's Hospital of Pidu District of Chengdu



科学灭菌进临床 无菌护航保安全

Bringing Sterilization Science into Clinical Practice to Support Safe Care

为响应世界灭菌科学联盟（WFHSS）号召，普及灭菌科学知识，强化医疗安全共识，2026年4月21日，由成都市郫都区第二人民医院主办，成都市郫都区消毒供应医疗质量控制分中心、成都市消毒供应医疗质量控制中心、成都市消毒协会、四川天府新区医学交流促进会消毒供应专业委员会、中国卫生监督协会消毒与感染控制专业委员会基层医疗机构消毒供应工作组共同协办的“科学灭菌·无菌护航·开放共赢”第十届世界灭菌科学日主题活动顺利开展。医院消毒供应室护士长及工作人员，联合医院感染管理科干事一同主动下沉一线，分别走进手术室、眼科、妇科开展专项宣教。本次活动全程采取三大形式：无菌规范

科普宣教、临床面对面沟通交流、院感手卫生专项宣教，全面筑牢临床灭菌安全与院感防控底线。

To mark the 10th International Day of Sterilisation Sciences and promote greater awareness of sterilization science in clinical practice, a themed event was held on April 21, 2026. The initiative also aimed to strengthen shared understanding of patient safety and infection prevention across healthcare teams. The event was organized by the Second People's Hospital of Pidu District of Chengdu, with support from the Pidu District CSSD Quality Control Sub-center, Chengdu CSSD Quality Control Center, Chengdu Disinfection Association, the CSSD Professional Committee of Sichuan Tianfu New Area Medical Exchange and Promotion Association, and the CSSD Working Group for Primary Healthcare Institutions under the Disinfection and Infection Control Committee of the China Health Inspection Association. Head nurses and staff from the hospital's CSSD, together with infection control personnel, conducted on-site outreach in clinical settings, including the operating room, ophthalmology, and gynecology departments. The program was delivered in three formats: education on aseptic practices, face-to-face communication with clinical teams, and targeted hand hygiene training. Together, these activities aimed to strengthen sterilization practices and infection prevention and control in clinical care.

走进手术室、眼科、妇科

Visits to Clinical Departments (Operating Room, Ophthalmology, Gynecology)



活动中，消毒供应室护士长谢锦重点围绕四大核心内容开展宣教：阐明无菌包是无菌保证水平，常说的 SAL（sterility assurance level），指灭菌后产品上存在单个活微生物的概率，一般设定为 10^{-6} ，即经灭菌处理后在一百万件物品中最多只允许一件物品存在活微生物，并非绝对无菌，需从严做好全流程管理；讲解压力蒸汽灭菌与过氧化氢低温等离子体灭菌的原理、适用范围，倡导临床根据器械类型合理选择灭菌方式；科普无菌包规范使用核查流程，从外包装、湿包情况、有效期、名称标识到包内外化学指示物逐一核对，均合格后方可使用；同时强调器械使用后及时预处理的重要性，科普血渍、污渍及生理盐水残留易腐蚀器械、缩短使用寿命、增加科室成本，引导临床规范落实预处理。

During the sessions, Xie Jin, Head Nurse of the CSSD, focused on four key areas:

- Sterility assurance level (SAL): She explained that sterile packs are associated with a sterility assurance level rather than absolute sterility. SAL refers to the probability of a single viable microorganism remaining on a product after sterilization. It is typically set at 10^{-6} , meaning that no more than one in one million items may contain a viable microorganism after sterilization. This highlights the need for strict control throughout the entire process rather than relying on the concept of “absolute sterility.”

- Sterilization methods: She outlined the principles and appropriate use of steam sterilization and hydrogen peroxide plasma low-temperature sterilization, encouraging clinical staff to select methods based on the type of instrument.
- Use of sterile packs: She reviewed key checks prior to use, including outer packaging integrity, moisture, expiration date, labeling, and both internal and external chemical indicators. All criteria must be met before a pack can be used.
- Point-of-use pre-treatment: She emphasized the importance of timely pre-treatment after use. Residual blood, contaminants, and saline can corrode instruments, shorten their lifespan, and increase departmental costs. Clinical teams were encouraged to follow standardized pre-treatment practices.

科普讲座

Educational Session



医院感染管理科干事罗晓玲同步开展手卫生宣教，强调其为院感防控最经济有效的措施，并现场演示规范操作步骤。

Luo Xiaoling from the Infection Control Department conducted hand hygiene training, highlighting it as one of the most effective and cost-efficient measures in infection prevention, and demonstrated proper techniques.

手卫生操作示范

Hand Hygiene Demonstration



宣教后，消毒供应室工作人员面对面收集临床问题与建议，逐一登记梳理，回科后立即组织全科分析原因、制定整改措施，重点针对包装不规范等问题优化提升，切实满足临床工作需求。

Following the sessions, CSSD staff spoke directly with clinical teams to gather questions and feedback. These were reviewed, and follow-up actions were taken to address specific issues, such as non-standard packaging practices.

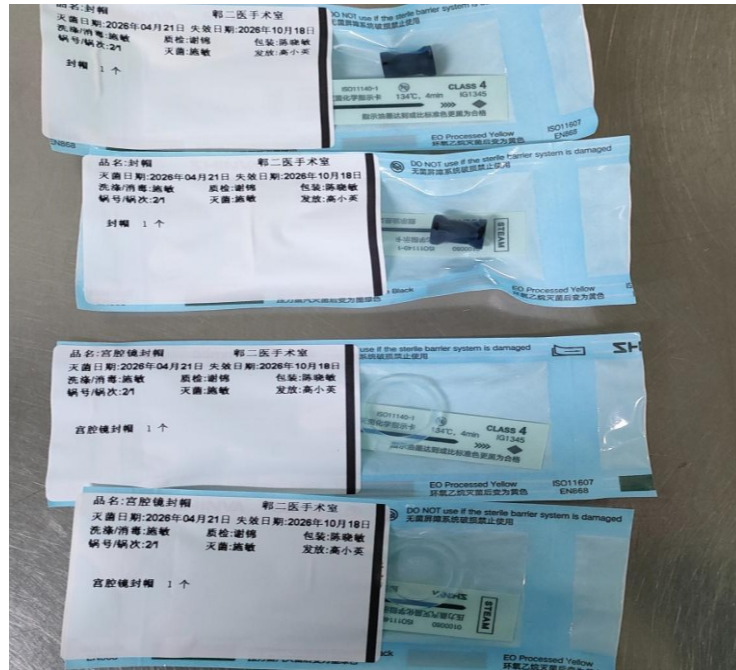
现场沟通
On-site Discussion



立行立改
Immediate Response and Improvement



及时满足消毒供应需求
Supporting Sterile Supply Needs



此次下沉式科普宣教，进一步规范了无菌物品使用与管理，拉近了消毒供应室、医院感染管理科与手术室、临床科室的协作距离。医院将持续强化灭菌质量管控，以科学规范的服务，携手共进，共同守护患者安全，筑牢院感防控防线。

This outreach initiative helped standardize the use and management of sterile items and strengthened collaboration between the CSSD, the Infection Control Department, and clinical departments such as the operating room. The hospital will continue to strengthen quality control in sterilization practices and work with clinical teams to support safe and consistent care through standardized, evidence-based approaches.

2026 年 04 月 21 日
21 April, 2026