

Safeguarding Lives in the "Sterile Battlefield"

CSSD Open Day Event in 903 Hospital of Jiangyou City

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On April 10, 2025, the CSSD of the 903 Hospital successfully held its 9th "International Day of Sterilisation Sciences & CSSD Open Day" event, centered around the theme of "Exploring the Essentials of Sterile Supply and Fostering Quality in CSSD." As the "invisible heart" of hospital's infection prevention and control, the CSSD welcomed clinical medical staff, representatives from collaborating hospitals, and industry experts to exchange ideas in an open manner. Through immersive experiences and in-depth discussions, the event unveiled the stories behind the reprocessing of medical instrument, further uniting efforts to safeguard patient safety.



Zero-Distance Experience: Witnessing the Reprocessing of Every Instrument

At the opening of the event, He Yujun, Director of the Hospital Infection Control Department, fully affirmed the outstanding contributions made by the CSSD as the "behind-the-scenes guardian" in hospital infection prevention and control. He expressed hope that, through this event, the CSSD staff would uphold a more rigorous attitude, rely on their professional skills, and build a solid defense line for medical quality and safety, contributing more to the progress of the medical and health industry.



Through science popularization video presentations and special lectures by CSSD experts, participants gained an in-depth understanding of the ten key processes that medical instrument undergo from recovery to distribution. They deeply recognized that cleaning quality is the core for successful sterilization, and once again emphasized the industry principle of "Quality is Mission."

Following the detailed explanation of sterilization by CSSD experts, the attendees were divided into several groups and then invited to step into the CSSD.

Introduction to the Central Sterile Supply Department (CSSD) of the 903 Hospital

I. Department Construction and Equipment Configuration

The department is constructed and equipped in strict accordance with the requirements of the Management Standards for Hospital Central Sterile Supply Departments. The work areas are divided into a

decontamination area, an inspection, packaging, and sterilization area, and a sterile storage area. The layout of the areas is reasonable, the workflow complies with standards, and the facilities and equipment are complete.

Currently, the department has 3 fully automatic washing machines; 3 ultrasonic cleaning machines; 1 pressure steam gun; 2 water treatment units; 2 acidic electrolytic water units; 3 drying cabinets; 2 pulsed vacuum high-temperature and high-pressure sterilizers (1.5A); 3 hydrogen peroxide low-temperature sterilizers; 3 high- and low-temperature rapid biological indicator readers; 2 insulation monitors; and 1 ATP fluorescence detector.

II. Professional Team

The department currently has 21 staff members, forming a professional and technical team: Nursing Team (13 members): 8 with bachelor's degrees, 4 with college degrees, and 1 with a secondary vocational school degree, and Technical Support Team (8 members)

III. Commitment to Continuous Development

We consistently adhere to the principles of "Professionalism, Standardization, Innovation, and Development," and continuously promote the following initiatives:

1. Optimizing instrument reprocessing workflows
2. Enhancing sterilization quality control
3. Strengthening the construction of professional and technical team
4. Improving service response mechanisms

On-site visit

Following the guide's steps, everyone entered the CSSD for a zero-distance experience, witnessing the entire process of medical instrument from "stained with blood" to "patient-ready sterile". In the decontamination area, staff demonstrated the pretreatment of precision instruments. In the inspection and packaging area, instrument packs wrapped in non-woven fabric were individually tagged with labels to achieve full traceability. In the sterilization area, high-temperature steam sterilization was implemented with rigorous biological monitoring, providing "double insurance" to the safety of the instruments. One clinical nurse who participated in the instrument packaging experience said: "It turns out that the success

of every procedure is inseparable from the rigorous efforts of such a group of 'invisible guardians'."



Candid Communication: Eliminating Departmental Barriers Through Sincere Dialogue

During the roundtable discussion, issues such as "Clinical departments hope for more flexible time for instrument turnover" and "The pretreatment standards for specialized instruments need further clarification" were directly raised by clinical departments and the CSSD. Both sides directly discussed and addressed the pain points and difficulties in their work. All staff members of the CSSD promised on the spot: "We will formulate improvement plans for all suggestions within one week. Clinical needs are the guiding principle of our work." This sincere and open-minded attitude earned praise from representatives of collaborating hospitals: "The infection control management at 903 Hospital is not only standardized but also full of humanistic care."



Five Commitments: Practicing "Life First" with Real Actions

Li Hongmei, Director of the Nursing Department, participated in the entire event. At the end, she led everyone in sorting out five areas for collaboration:

1. Establish a two-way training mechanism between clinical departments and the CSSD, transforming instrument management standards from written knowledge into instinctive reactions in actual operations.
2. Implement "full lifecycle" tracking management for precision instruments, strictly controlling risks with a "zero-tolerance" attitude.
3. Open a "green channel" for special needs, keep written records, and clearly assign responsibility to specific personnel.
4. Continuously optimize sterilization processes, seeking the optimal solution for cost control while ensuring safety, and achieving goals of energy saving and consumption reduction.
5. Regularly hold Open Day events to promote collaboration, not just about simple process alignment, but more about deep resonance of ideas.

Looking Ahead: Bringing the "Unsung Heroes" to the Forefront

As the event neared its conclusion, Zhang Jinhua, the head nurse of the CSSD stated: "Making items sterile is not easy, it is the result of ten processes and countless rigorous inspections. Since the hospital's founding, our greatest source of pride has been achieving zero accidents. This consistent adherence is exact the solemn commitment of the entire staff of 903 Hospital's CSSD to the lives of our patients."

Looking to the future, the CSSD will adopt a more open attitude, working hand-in-hand with clinical departments to build an even tighter safety net. Because behind every successful surgery lies mutual trust,

reciprocal reliance, and collaborative effort.



Introduction to 903 Hospital of Jiangyou City

Located in the central urban area of Jiangyou City, the hometown of Li Bai, 903 Hospital was established in 1970 and is affiliated with China Academy of Engineering Physics. It is a national Grade 3 Class A public comprehensive hospital.

903 Hospital has 810 authorized beds, 18 comprehensive departments, 56 clinical diagnosis and auxiliary departments, and 20 inpatient wards. It is equipped with over 1900 sets of advanced medical equipment, including linear accelerators, 3.0T magnetic resonance imaging scanners, 320-slice CT scanners, 128-slice spiral CT scanners, extracorporeal membrane oxygenation (ECMO) machines, and flat-panel digital subtraction angiography systems, with a total value of nearly 300 million RMB. The annual number of emergency and outpatient visits exceeds 700,000 and the number of discharged patients exceeds 39,000. In the 2022 national performance assessment of Grade 3 Class A public hospitals, it was rated as Grade A, ranking 24th in its group and top 15% in the country.

Currently, there are over 1,000 employees, including 988 professional and technical personnel. Among them, 301 serve as directors, vice chairmen, standing committee members, or members in national, provincial, and municipal professional academic organizations, and 56 are members of expert groups in provincial and municipal quality control centers.

The hospital currently has 2 provincial-level key specialties, 11 municipal-level key disciplines and specialties, and 6 clinical key specialties under construction. It has established Chest Pain Center, Stroke Center, Heart Failure Center, and Hypertension Center, and has completed the comprehensive construction of Jiangyou City's "Five Centers" for clinical service and emergency rescue. In terms of specialized diagnosis and treatment, the hospital has formed significant characteristics and advantages, especially in the fields of cardiovascular and cerebrovascular diseases, critical care medicine, respiratory system diseases, digestive system diseases, nervous system diseases, and pain management, having outstanding diagnostic and treatment capabilities and rich clinical experience.

In this new era and on this new journey, 903 Hospital continues to uphold the spirit of "Patriotic Dedication, Hard Work, Cooperative Consciousness, Pragmatic Innovation, and Perpetual Pursuit of Peaks," implement the mission of "Guaranteeing National Defense Research and Serving the People's Health," and practice the motto of "Great Physicians Practice with Precision and Sincerity, Aiming to Achieve the Highest Height". We will remain true to our original aspiration, forge ahead with determination, work hard to pursue and innovate, focusing on the goal of high-quality development and striving forward!

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