

安全管理委員会より: APAC Safe Surgical Implant Consortium で学会の取り組みを報告

日本手術看護学会は、ASSIC*による、安全なインプラント手術器材提供に向けたアジアのコンソーシアムに参加しています。

昨年と今年、 APAC Safe Surgical Implant Consortium (2025 : Thailand、2026 : Taiwan) に参加し、安全管理委員会の取り組みを発表してきました。発表資料は、下記添付をご参照ください。

*ASSIC(Asia Safe Surgical Implant Consortium)

安全なインプラント手術器材提供に向けたアジアのコンソーシアムで、アジア 13 か国の学会組織等とソルベンタムの協力のもとで実施され、年 1 回、CSSD に関する各国の取り組みが発表され、情報交換の場となっています。(2026.5.14)

JONA Safe Surgery Checklist & BCP (Business Continuity Planning) of CSSD

Toyokatsu Shibutani
 Chair of Safety Management Committee, JONA (Japan Operative Nursing Academy)
Shigeko Mills
 President, JONA (Japan Operative Nursing Academy)

JONA Perioperative Safety Checklist (published in Dec. 2024)

Background

- 78.2% of hospitals in Japan had adopted WHO Safe Surgery Checklist (JONA nationwide survey 2022), which was +10% from the past survey in 2019.
- On the other hand, total 5,578 medical accidents happened in OR in 2018-2023. (JCQHC data)
- In order to further reduce medical accidents in OR in Japan, JONA developed own Perioperative Safety Checklist, based on the WHO Safe Surgery Checklist but by adding perspectives from outpatients and hospital wards (to make it “perioperative”).

Highlights

- Developed in 5 phases from a perioperative perspective to ensure safety of the patient undergoing surgery
- Added
 - Phase 0 (Pre-OP) and Phase 4 (Post-OP)
 - Implant / LI check
 - Specimens check
- Sterility check (indicator results) by scrub nurse

| JONA Perioperative Safety Checklist 2024 | | | | | |
|--|--|--|---|--|---|
| Phase | Phase 0 | Phase 1 | Phase 2 | Phase 3 | Phase 4 |
| Timing | Day before surgery or before OR admission with ward/outpatient nurse, surgeon, and OR nurse | Before induction of anesthesia with at least OR nurse and anesthesiologist | Before skin incision with all surgery staff (nurse, anesthesiologist, and surgeon) | Before patient leaves OR with all surgery staff (nurse, anesthesiologist, and surgeon) | At end after leaving OR with OR nurse and ward/outpatient nurse |
| Main confirming party | OR nurse and dealer | OR nurse and dealer | OR nurse and dealer | OR nurse and dealer | OR nurse and dealer |
| Checklist | < Patient confirmation > <input type="checkbox"/> Identity <input type="checkbox"/> Consent <input type="checkbox"/> Site, Procedure <input type="checkbox"/> Marking of the site <input type="checkbox"/> Known allergy <input type="checkbox"/> Fixture <input type="checkbox"/> Contraindications <input type="checkbox"/> Stopped medicine <input type="checkbox"/> Plaster < Implant, LI confirmation > <input type="checkbox"/> Left and Right <input type="checkbox"/> Size <input type="checkbox"/> OR nurse and dealer | < Patient confirmation > <input type="checkbox"/> Patient authentication <input type="checkbox"/> Identity <input type="checkbox"/> Consent <input type="checkbox"/> Site, Procedure <input type="checkbox"/> Marking of the site <input type="checkbox"/> Known allergy <input type="checkbox"/> Stopped medicine <input type="checkbox"/> Plaster <input type="checkbox"/> Contraindications <input type="checkbox"/> Blood products <input type="checkbox"/> Difficult intubation From Surb nurse <input type="checkbox"/> Risk of blood loss <input type="checkbox"/> Direction for deep vein thrombolysis prevention <input type="checkbox"/> Functioning of the patient monitor | < Patient confirmation > <input type="checkbox"/> Identity <input type="checkbox"/> Site, Procedure <input type="checkbox"/> Marking of the site From Surgeon <input type="checkbox"/> Non-routine steps <input type="checkbox"/> Case length <input type="checkbox"/> Anticipated blood loss From Anesthesiologist <input type="checkbox"/> Patient-specific concerns <input type="checkbox"/> Antibiotic prophylaxis given From Scrub nurse <input type="checkbox"/> Equipment issues or concerns <input type="checkbox"/> Sterility confirmed (including indicator results) <input type="checkbox"/> Lack of LI From circulator nurse <input type="checkbox"/> Implant instruments | < Patient confirmation > <input type="checkbox"/> Name of the procedure <input type="checkbox"/> Completion of instrument counts <input type="checkbox"/> Any equipment problems to be addressed <input type="checkbox"/> Catheters and drains Post operative management key concerns for recovery Before case completion <input type="checkbox"/> Specimen confirmation > <input type="checkbox"/> Patient name / label <input type="checkbox"/> Specimen name <input type="checkbox"/> Number <input type="checkbox"/> Fixation method <input type="checkbox"/> Inspection order | Post operative management key concerns for recovery From Surgeon From Anesthesiologist From OR nurse WHO based JONA original |

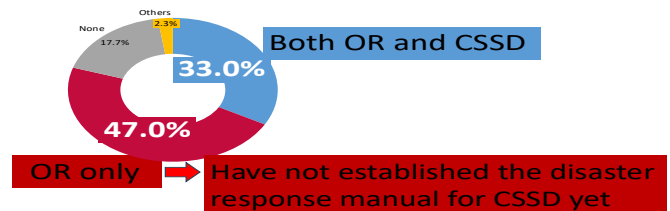
This checklist is not intended to be comprehensive. Additions and modifications to fit local practice are encouraged



Action Card of CSSD toward disaster recovery (published in Jun. 2024)

Background

- Japan is a disaster-prone country (i.e. 2011 – Great East Japan earthquake, 2016 – Kumamoto earthquake, 2024 – Noto peninsula earthquake).
- Regarding disaster recovery manual, JONA survey revealed that 47% hospitals do not have the manual for CSSD while have the one for OR.



JONA developed the “Action card” of CSSD toward disaster recovery (in case of fire / earthquake)

CSSD Action Card (in case of fire)

| | | |
|---|--|---|
| [Action leader] 1. Safety and instructions <input type="checkbox"/> Check # of workers in facility <input type="checkbox"/> Check situation on site <input type="checkbox"/> Assign firefighting team <input type="checkbox"/> Assign evacuation leader 2. Understand the situation <input type="checkbox"/> Identification of fire location <input type="checkbox"/> Check equipment operation status <input type="checkbox"/> Check the room and evacuate <input type="checkbox"/> Check with evacuation leader 3. Issue evacuation order | [Evacuation leader] <input type="checkbox"/> Secure evacuation routes <input type="checkbox"/> Take out an emergency bag <input type="checkbox"/> Gather the workers and evacuate to a safe place (check the number of people at the time of evacuation) <input type="checkbox"/> After the evacuation, meet up with the action leader and report on the safety and situation of the workers. [Evacuation area] <input type="checkbox"/> Contact the Disaster Prevention Center The location must be specific and precise - Report a situation <input type="checkbox"/> Meet up with the action leader <input type="checkbox"/> Report to the OR supervisor <input type="checkbox"/> Report to the Disaster Prevention Center <input type="checkbox"/> Report to the contractor company (if contact workers present) | [Firefighting team (Fire Extinguishers)] <input type="checkbox"/> Take out the fire extinguisher <input type="checkbox"/> Rushing to the location of the fire <input type="checkbox"/> Start firefighting <input type="checkbox"/> Status report and handover <input type="checkbox"/> Meet up with the action leader [Firefighting team (Fire hydrant attendants) / 2 persons] <input type="checkbox"/> Prepare fire hydrants <input type="checkbox"/> Rushing to the location of the fire with a fire hydrant hose <input type="checkbox"/> Start firefighting <input type="checkbox"/> Status report and handover <input type="checkbox"/> Meet up with the action leader |
|---|--|---|

CSSD Action Card (in case of earthquake)

| | | |
|--|---|--|
| [Action leader] 1. Conduct safety checks <input type="checkbox"/> Ensure own safety <input type="checkbox"/> Wearing a helmet <input type="checkbox"/> Carry a flashlight and wear gloves <input type="checkbox"/> Confirming the safety of workers <input type="checkbox"/> Stopping of each instrument depending on the situation <input type="checkbox"/> Assign evacuation leader 2. Understand the situation <input type="checkbox"/> Electricity, Water, Boiler <input type="checkbox"/> Ceilings, walls, etc. 3. Situation report <input type="checkbox"/> Report to the OR supervisor | [Action leader] 4. Secure evacuation routes <input type="checkbox"/> Appoint evacuation leaders and report according to evacuation <input type="checkbox"/> Open the door 5. Evacuation <input type="checkbox"/> Check the room and evacuate <input type="checkbox"/> Check with evacuation leader <input type="checkbox"/> Report to the Disaster Prevention Center <input type="checkbox"/> Report to the contractor company (if contact workers present) [Evacuation leader] 1. Evacuation guidance <input type="checkbox"/> Take out an emergency bag <input type="checkbox"/> Gather the workers and evacuate to a safe place (check the number of people at the time of evacuation) <input type="checkbox"/> After the evacuation, meet up with the action leader and report on the safety and situation of the workers. | [Action leader] (until restored) 1. Situation check of CSSD <input type="checkbox"/> Electricity, Water, Boiler <input type="checkbox"/> Contact equipment manufacturer <input type="checkbox"/> Check equipment inspection guidelines <input type="checkbox"/> Identify stockpiled materials and operating hours <input type="checkbox"/> Available equipment and throughput <input type="checkbox"/> Report the above to the OR supervisor |
|--|---|--|

Situation

- CSSD is part of the “team” working together with the Surgical Department to ensure patient safety
- Due to task shifts and outsourcing, CSSD operation and Device Reprocessing becomes independently performed aside from surgical department in many hospitals
- As a result, while reprocessing work performed in CSSD is consolidated and specialized in outsourcing, involvement of OR nurses in CSSD workflow has been gradually decreased
- There are many processes involved in device reprocessing, such as cleaning, disinfection, and sterilization, and as a OR nurse who handles surgical instruments, we should know how the instruments are reprocessed and how its quality is assured
- JONA Safety Management Committee believes that OR nurses play an important role in “connecting CSSD and hospitals with patient safety” by understanding the CSSD workflow / practices and engaging improvements together
- As part of this effort, we, as representatives of JONA, worked on “CSSD Round” program provided by Solventum

Results / lessons learned

- “CSSD Round” fostered mutual understanding between CSSD and Operating Room on safe surgical instruments
- As OR nurses sometimes operate cleaning and sterilization at night, the necessity of standardize operations and knowledge transfer has been highlighted
- JONA will collaborate with Solventum to host a series of seminar+workshop on basics of device reprocessing as its educational programs in 2026-27

JONA x Solventum
Joint seminar/workshop '26-27



Key activities

- Conducted “CSSD round” at two hospitals where the committee members belong

1 Kanazawa University Hospital

- 830 beds
- # Surgeries : 7,574
- # Operating room : 20
- National University Hospital

#1: Dec 2025
#2: Jan 2026

Issues identified:

- Lack of SOPs (pre-operation check)
- Implementation of IUSS cycle
- Release criteria : Sterilization

Improvement plan on-going:

- SOP renewals / Equipment maintenance
- Proper use of indicators (CI, BI)
- Enhancing information sharing between CSSD-OR / routine CSSD round with ICT

2 Yao Tokushukai General Hospital

- 475 beds
- # Surgeries : 6,627
- # Operating room : 10
- JCI accredited

#1: Aug 2024
#2: Nov 2025

Issues identified:

- Recall procedure not updated
- Release criteria : Sterilization
- Release criteria : Cleaning

Improvement plan on-going:

- Assigning the recall manager (doctor)
- Use Steam BI for every implant load
- Release criteria for cleaning (i.e. wash monitor)

What's “CSSD round” ?
An audit program that CSSD managers / hospital stakeholders make rounds in CSSD with Solventum and identify issues from the perspective of sterility assurance, recall steps, SOPs, etc., and check areas which can be improved in entire CSSD workflow.

Checklist (chapter 1-10)