



OVERVIEW

THIS DOCUMENT

This guidance statement provides direction on the use of the Surgical Safety Checklist and Radiology Safety Checklist.

PURPOSE

To promote patient safety by instituting the Surgical and Radiology Safety Checklist for all patients having invasive/surgical procedure(s) in an operating room or other designated clinical space where it is agreed a checklist should be used.

RESPONSIBILITY

All medical, technical and nursing staff within the perioperative setting.

HISTORY

The Surgical Safety Checklist (SSC) was designed by the World Health Organization to reduce morbidity and mortality within the perioperative phase. The Radiology Safety Checklist (RSC) (Appendix B) was devised by the Royal College of Radiologists as an adaptation of the SCC.

In 2012 the SSC was further adapted to the New Zealand setting and converted to a paperless version by the Health Quality and Safety Commission New Zealand (HCSC) (Appendix A). This version is designed to be utilised alongside other initiatives to improve perioperative teamwork and communication. Some Interventional Radiology departments in New Zealand converted to a paperless version in 2013 following the same principles as the SSC version .

The Perioperative Nurses College endorses the use of a SSC/RSC for all cases, except in an emergency if the risks outweigh the benefits.

PRINCIPLES

The SSC/RSC involves the entire Operating / Procedure Team, with aspects of the SSC/RSC performed by specific team members. However, it is the collective responsibility of all team members to actively participate in the SSC/RSC. Administration of the checklist domains and items is not a discretionary exercise. All items must be administered, or the reason for not considering them verbally stated.

Imaging (if applicable) shall be visible at the same time the Time Out check is being completed.

Antibiotic prophylaxis and venous thromboprophylaxis (if applicable) should be discussed at the same time as the Time Out. Omission of the SSC/RSC should be documented

The SSC and RSC can be found in 2 distinct forms, the traditional "tick box" checklist or verbal prompt posters for Sign In, Time Out and





Sign Out with a single "tick box" in surgery / procedure documentation confirming the processes were followed.

Vogts et al (2015) demonstrated that the tick box mentality associated with the paper form of SSC or RSC was seen to be virtually useless as a record of actual events.

AUDITING

Compliance with SSC /RSC should be monitored in accordance with recommendations from NZ health Quality and Safety Commission.

CHECKLIST PROCESS

PROCESS The table describes the SSC/RSC process

| STAGE | DESCRIPTION |
|----------------|---|
| Sign In Phase | Occurs before induction of anaesthesia in the Operating Room/Procedure Room Lead by anaesthetist |
| Time Out Phase | After positioning – before skin incision/commencement of procedure Lead by proceduralist |
| Sign Out Phase | Before the patient leaves the Operating Room/Procedure Room Lead by nurse |

Note:

- In procedures that do not require an anaesthetist, the sign in will be led by the staff member responsible for bringing the patient into the procedure room.
- The proceduralist may be whoever is leading the procedure. For example; the surgeon, radiologist, nurse practitioner or RNFSA (when dual operating rooms are being utilised and the RNFSA is performing the approach surgery).

NON AGREEMENT AND NEAR MISSES Any non-agreement within the procedural team is to be resolved before the procedure can progress.

When a potential adverse event/near miss, has been identified via the SSC/RSC process this must be documented for auditing purposes (adhere to local reporting policies).

Date last reviewed: January 2021

File: Surgical & Radiology Safety Checklist Authorised by: National Committee Date of next review: 2024





ASSOCIATED DOCUMENTS

The table below indicates other documents associated with this recommended best practice.

| TYPE | DOCUMENT TITLES | |
|--|--|--|
| Health Quality Safety Commission New Zealand | Surgical Team Work and Communication http://www.hqsc.govt.nz/our-programmes/safe-surgery-nz/projects/surgical-teamwork-and-communication/ Surgical Safety Checklist http://www.hqsc.govt.nz/our-programmes/safe-surgery-nz/projects/surgical-teamwork-and-communication/interventions/surgical-safety-checklist/ | |
| World Health Organization | World Health Organization. World Alliance for Patient Safety. Implementation Manual Surgical Safety Checklist 1 st Edition. http://www.who.int/patientsafety/safesurgery/ss-checklist/en/ | |
| NZNO Perioperative Nurses College | Surgical / Procedural Site Marking | |
| Royal Australasian College of Surgeons | Implementation Guidelines for Ensuring Correct Patient, Correct Side and Correct Site Surgery, http://www.surgeons.org/racs/college-resources/publications/position-papers/correct-patient,-correct-side-and-correct-site-surgery | |
| Royal College of Radiologists | Guidance on implementing safety checklists for radiological procedures. (Second edition) 2019 | |
| Australian Patient Safety Foundation | Use of Surgical and radiology checklists in Australian hospitals: uptake, barriers and enablers (Joanna Briggs Institute) | |
| Royal Australian & New Zealand College of Ophthalmologists (RANZCO) | Correct Eye Surgery Guidelines. http://www.ranzco.edu/aboutus/ranzco-policies-and-procedures/policy/Correct_Eye_Surgery_Guidelines.pdf/view df/view | |





| NHS National Patient Safety Agency (UK) NPSA | Surgical Safety checklist http://www.nrls.npsa.nhs.uk/resources/clinical-specialty/surgery/?entryid45=59860 Surgical Safety checklist |
|--|---|
| Health Quality Safety Commission New Zealand | Surgical Team Work and Communication http://www.hqsc.govt.nz/our-programmes/safe-surgery-nz/projects/surgical-teamwork-and-communication/ Surgical Safety Checklist http://www.hqsc.govt.nz/our-programmes/safe-surgery-nz/projects/surgical-teamwork-and-communication/interventions/surgical-safety-checklist/ |
| References | Vogts N, Hannam JA, & Mitchell SJ (2015) Checking the checkers: self-reporting of the WHO Surgical Safety Checklist by OR staff. Auckland District Health Board Quality Account 2014-2015. In press 2015 |

Date last reviewed: January 2021







Appendix A: The Health Quality and Safety Commission's Surgical Safety Checklist

Section: Perioperative Nurses College Issued by: Professional and Education Committee

Date reviewed: January 2017 Date last reviewed: January 2021

File: Surgical & Radiology Safety Checklist Authorised by: National Committee Date of next review: 2024





Surgical safety checklist

Sign in

Confirm surgeon available Before induction of anaesthesia, confirm with patient:

- Identity
- Site and side
- Procedure
- Consent

Site marked or not applicable

Does the patient have:

Known allergies?

Difficult airway or aspiration risk?

If yes, is equipment/ assistance available?

Risk of >500 ml blood loss recorded

(7 ml/kg in children)?

If ves, are adequate intravenous access and fluids planned?

Anaesthesia safety checklist completed

Check and confirm prosthesis/ special equipment to be used

Time out

Before an incision, confirm all team members have introduced themselves by name and role

Surgeon, anaesthetist, and nurse verbally confirm:

- Patient
- Site and side
- Procedure
- Consent
- Any known allergies

Anticipated critical events

Surgeon reviews:

Critical or unexpected steps, operative duration, anticipated blood loss?

Anaesthesia team reviews:

Patient specific concerns? Has the ASA score been recorded?

Nursing team reviews:

Has sterility (including indicator results) been confirmed?

Are there equipment issues or concerns?

Has antibiotic prophylaxis been given within the last 60 minutes?

Has the plan for VTE prophylaxis during the operation been carried out?

Is essential imaging displayed?

Sign out

Verbally confirm with the team after final count:

- The name of the procedure recorded
- That instrument, needle, sponge and other counts are correct
- How the specimen is labelled (including patient name)
- The plan for ongoing VTE prophylaxis
- Whether there are any equipment problems to be addressed
- Postoperative concerns/plan for recovery and management of this patient



newzealand.govt.nz

Date reviewed: January 2017

Date last reviewed: January 2021

File: Surgical & Radiology Safety Checklist Authorised by: National Committee

Date of next review: 2024





Appendix B: Radiology Safety Checklist - Royal College of Radiologists UK

| for Radiological Inte (adapted from the WHO Surgical Safety of | THE RESERVE OF THE PARTY OF THE | National Patient Safety Agent SONAL COLLEGE OF ALEXCOCKTON National Reporting and Learning Servi |
|--|--|--|
| SIGN IN (To be read out loud) | | SIGN OUT (To be read out loud) |
| Before giving anaesthetic (local or general) Have all team members introduced themselves by name and role? | ONLY IF GENERAL ANAESTHETIC IS GIVEN | Before any member of the team leaves the room Registered Practitioner/HCA verbally confirms with the team: |
| | TIME OUT (To be read out loud) Before start of radiological intervention (for example needle to skin) Anticipated critical events | Has the name and side of the procedure been recorded? Have all pieces of invasive equipment used been accounted for? Have any implanted devices been recorded? Have the specimens been labelled (including with patient's name)? Have any equipment problems been identified that need |
| Has the petient confirmed his/her identity, site, procedure and consent? Yes | Anaesthetist (if present): I is the anaesthetic machine check complete? | to be addressed? Radiologist, Anaesthetist and Registered Practitioner: |
| Has essential imaging been reviewed? Yes N/A | Does the patient have a difficult airway/aspiration risk? | Have the instructions for post procedural care for this patient been agreed? |
| Are all IRMER requirements met? Yes | Are there any patient-specific concerns? What is the patient's ASA grade? | Remember to scan onto CRIS or record checklist has been undertaken |
| Is the procedural site marked? Yes N/A | What monitoring equipment and other specific levels of support are required, for example blood? | PATIENT DETAILS |
| is the anaesthesia machine/monitoring equipment and medication check complete? Yes N/A | Registered practitioner/HCA: Are there any equipment issues or concerns? | Last name: |
| Does the patient have a: known allergy? No Yes anticipated risk of >500ml blood loss (7ml/kg in children)? No Yes (and adequate IV access/fluids planned) | Has the surgical site infection (SSI) bundle been undertaken? Yes NA • Antibiotic prophylaxis • Patient warming • Hair removal • Glycaemic control | Date of birth: NHS Number: Date of Procedure: |
| Have risk factors for bleeding and renal failure been checked? Yes N/A | IDMO 1819 Million-Market Scale | "If the NIS Ramber is not immediately avoilable, a lamparary manther should be used until it is |
| Has Antibiotic prophylaxis been given? Yes N/A Has VTE prophylaxis been undertaken? Yes N/A | The checklist is for Radiology Interventions ON This modified checklist must not be used for other surgical process. | |
| Is the required equipment available and in date? Yes | | www.nrls.npsa.nhs.uk |
| Are there any critical or unexpected steps you want the team to know about? | National Patient Salety Agency 2010. Copyright and other intellectual property rights in this material belong to the NPIA, and all rights are inserved. This NPIA authorises UK healthcare organizations to reproduce | |

Section: Perioperative Nurses College Issued by: Professional and Education Committee Date reviewed: January 2017 File: Surgical & Radiology Safety Checklist Authorised by: National Committee Date of next review: 2024