



# SURGICAL and RADIOLOGY SAFETY CHECKLIST

## OVERVIEW

- THIS DOCUMENT** This guidance statement provides direction on the use of the Surgical Safety Checklist and Radiology Safety Checklist.
- OBJECTIVE** To promote patient safety by instituting the Surgical and Radiology Safety Checklist for all patients having invasive/surgical procedure(s).
- RESPONSIBILITY** The Interprofessional Operating Team
- PRINCIPLES**
- 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) was devised by the Royal College of Radiologists as an adaptation of the SCC
- The Perioperative Nurses College endorses the SSC/RSC and the use or adaptation of the Australasian Checklist (attached below)
- The SSC/RSC is performed for all cases, except in an emergency if the risks outweigh the benefits.
- The SSC/RSC involves the entire Operating Team. Completion or omission of the SSC/RSC is documented
- Imaging (if applicable) shall be visible at the same time the Time Out check is being completed.

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## Radiology Safety Checklist - Royal college of Radiologists UK

**WHO Surgical Safety Checklist: for Radiological Interventions ONLY**  
(adapted from the WHO Surgical Safety Checklist)

**NHS**  
National Patient Safety Agency  
National Reporting and Learning Service

**SIGN IN (To be read out loud)**  
Before giving anaesthetic (local or general)

Have all team members introduced themselves by name and role?  
 Yes

All team members verbally confirm:  
 What is the patient's name?  
 What procedure, site and position are planned?  
*If general anaesthetic given the two questions above should be moved to the beginning of TIME OUT*

Has the patient confirmed his/her identity, site, procedure and consent?  
 Yes

Has essential imaging been reviewed?  
 Yes  N/A

Are all IRMER requirements met?  
 Yes

Is the procedural site marked?  
 Yes  N/A

Is the anaesthesia machine/monitoring equipment and medication check complete?  
 Yes  N/A

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)

Have risk factors for bleeding and renal failure been checked?  
 Yes  N/A

Has Antibiotic prophylaxis been given?  
 Yes  N/A

Has VTE prophylaxis been undertaken?  
 Yes  N/A

Is the required equipment available and in date?  
 Yes

Are there any critical or unexpected steps you want the team to know about?  
 Yes  N/A

**ONLY IF GENERAL ANAESTHETIC IS GIVEN**  
**TIME OUT (To be read out loud)**  
Before start of radiological intervention (for example needle to skin)

Anticipated critical events  
Anaesthetist (if present):  
 Is the anaesthetic machine check complete?  
Does the patient have a difficult airway/aspiration risk?  
 Yes  N/A

Are there any patient-specific concerns?  
What is the patient's ASA grade?  
What monitoring equipment and other specific levels of support are required, for example blood?

Registered practitioner/HCA:  
 Are there any equipment issues or concerns?  
Has the surgical site infection (SSI) bundle been undertaken?  
 Yes  N/A

- Antibiotic prophylaxis
- Patient warming
- Hair removal
- Glycaemic control

**SIGN OUT (To be read out loud)**  
Before any member of the team leaves the room

Registered Practitioner/HCA verbally confirms with the team:  
 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 to be addressed?

Radiologist, Anaesthetist and Registered Practitioner:  
 Have the instructions for post procedural care for this patient been agreed?

Remember to scan onto CRIS or record checklist has been undertaken

**PATIENT DETAILS**

Last name: \_\_\_\_\_  
First name: \_\_\_\_\_  
Date of birth: \_\_\_\_\_  
NHS Number: \* \_\_\_\_\_  
Date of Procedure: \_\_\_\_\_

\*If the NHS Number is not immediately available, a temporary number should be used until it is

**The checklist is for Radiology Interventions ONLY**  
This modified checklist must not be used for other surgical procedures.

[www.nrls.npsa.nhs.uk](http://www.nrls.npsa.nhs.uk)

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## SURGICAL/RADIOLOGY SAFETY CHECKLIST PROCESS

**PROCESS** The table describes the SSC/RSC process.

STAGE	DESCRIPTION
Sign In Phase	<ul style="list-style-type: none"><li>Occurs before induction of anaesthesia in the Operating Room/Procedure Room</li></ul>
Time Out Phase	<ul style="list-style-type: none"><li>After positioning – before skin incision</li></ul>
Sign Out Phase	<ul style="list-style-type: none"><li>Before the patient leaves the Operating Room/Procedure Room</li></ul>

**NON AGREEMENT AND NEAR MISSES** Any non-agreement within the Operating Team is to be resolved before the procedure can progress. Where the SSC/RSC has prevented an adverse event or has not been able to be completed this should be documented for auditing purposes.

## ASSOCIATED DOCUMENTS

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

Type	Document Titles
World Health Organization	<ul style="list-style-type: none"><li>World Health Organization. World Alliance for Patient Safety. Implementation Manual Surgical Safety Checklist 1<sup>st</sup> Edition. <a href="http://www.who.int/patientsafety/safesurgery/ss_checklist/en/">http://www.who.int/patientsafety/safesurgery/ss_checklist/en/</a></li></ul>
	<ul style="list-style-type: none"><li>Informed Consent</li><li>Surgical / Procedural Site Marking</li></ul>
Royal Australasian College of Surgeons	<ul style="list-style-type: none"><li>Implementation Guidelines for Ensuring Correct Patient, Correct Side and Correct Site Surgery, <a href="http://www.surgeons.org/racs/college-resources/publications/position-papers/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</a></li></ul>
Royal Australian & New Zealand College of Ophthalmologists (RANZCO)	<ul style="list-style-type: none"><li>Correct Eye Surgery Guidelines. <a href="http://www.ranzco.edu/aboutus/ranzco-policies-and-procedures/policy/Correct_Eye_Surgery_Guidelines.pdf/view">http://www.ranzco.edu/aboutus/ranzco-policies-and-procedures/policy/Correct_Eye_Surgery_Guidelines.pdf/view</a></li></ul>

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