GOVERNMENT OF DUBAI

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The Surgical Safety Checklist: Are we just ticking the box?

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SALAMA سلامة
ELECTRONIC MEDICAL RECORD

Learning Objectives

- To identify the importance/benefits/challenges of using surgical safety checklist in Operating Theater (OT)
- To highlight the relationship of surgical safety checklist use and reduction of postoperative mortality and morbidity
- To analyze the data associated between surgical safety checklists usage and its primary outcome
- To integrate the implementation process of Surgical Checklists within SALAMA system

If you're new to the operating room (OR) environment, it may seem like this…

Background

- IPSG Goal # 4: Ensure Correct Site, Correct Procedure, Correct Patient Surgery
- 2009 World Health Organization (WHO)
- Adapted from the Aviation Industry
- Checklists was created to prevent future *avoidable* disasters
- Association between checklist introduction and identification of strategies in reduction of postoperative mortality and morbidity

Daily Mail

Consultant surgeon, 48, is suspended for performing WRONG type of knee operation then covering his tracks by bringing patient back for more surgery six days later and falsifying records

Richard Spillett for MailOnline 2/09/2019

The Sydney Morning Herald

EXCLUSIVE NATIONAL NSW HEALTHCARE

Third surgery required for cancer patient who had wrong body part removed at Sydney hospital

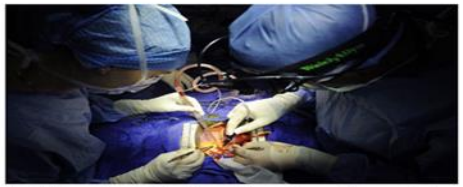
By Kate Aubusson
June 25, 2019 — 12.00am

A cancer patient who had the wrong side of his bowel removed will need a third surgery to repair the damage, as the Northern Beaches Hospital launches an investigation into the critical error.

yahoo! news

South African doctors give wrong patient heart surgery

AFP



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Kenya doctors 'perform brain surgery on wrong patient'

2 March 2018 Share

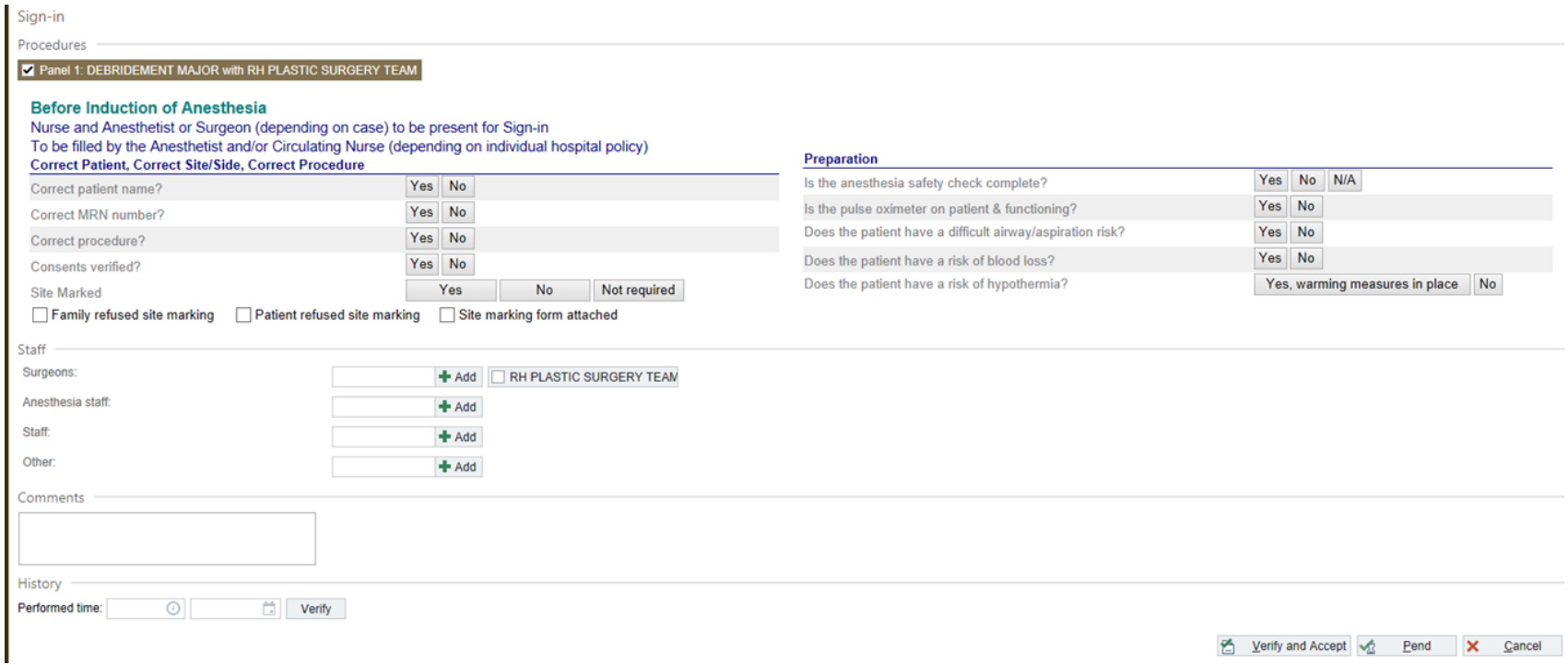
Statistics

- An estimated 4.2 million people worldwide dies within 30 days of surgery each year.
- In Scotland, in of SSC checklist resulted in 39% reduction in post-operative death.
- A general downward trend in post-operative deaths of 30% after implementation of SSC.

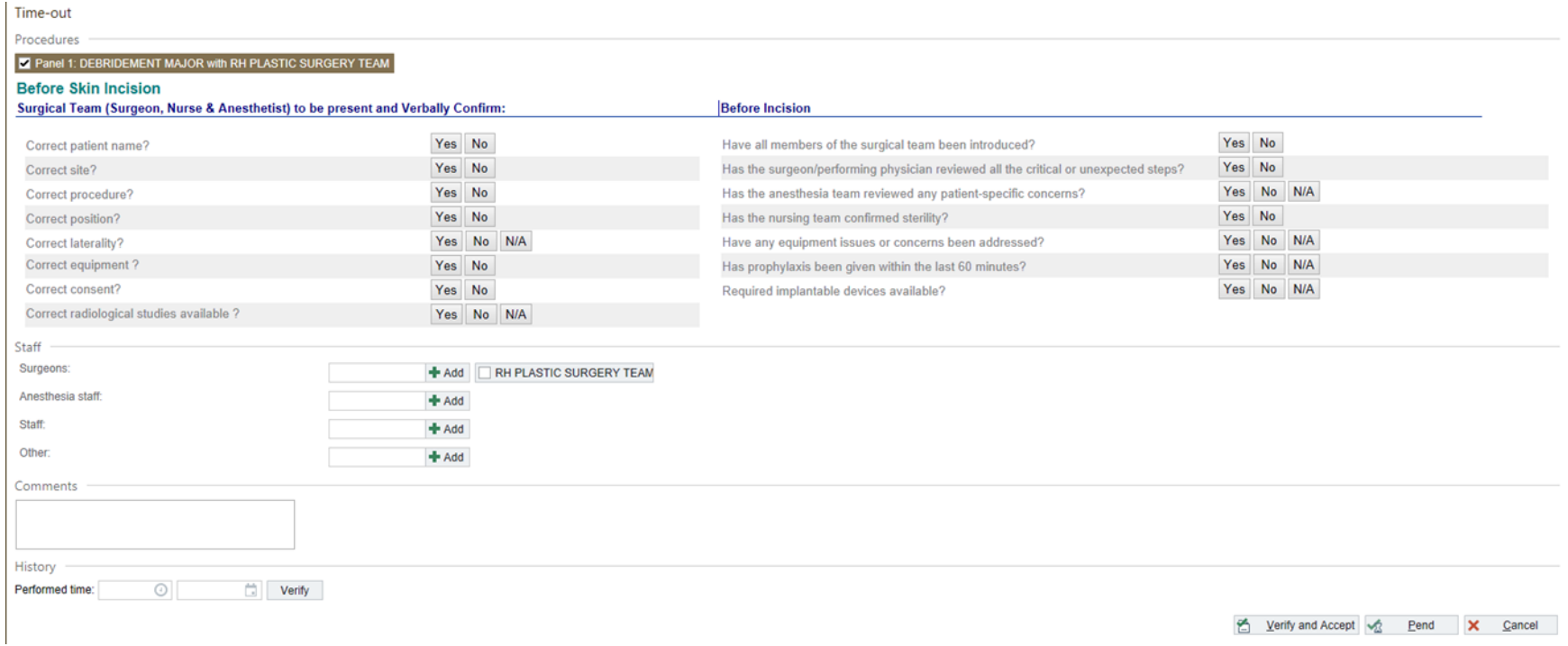
Importance/Benefits of Checklist

- Remembers the OR Team important details
- Ensures that critical tasks are carried out, tasks are prioritized as either standard or non - standard
- Allows the team to review information given by others
- Encourages teamwork and communication, embeds the idea of open communication
- Reduces the mortality in the hospital (post-operative mortality, POMR)

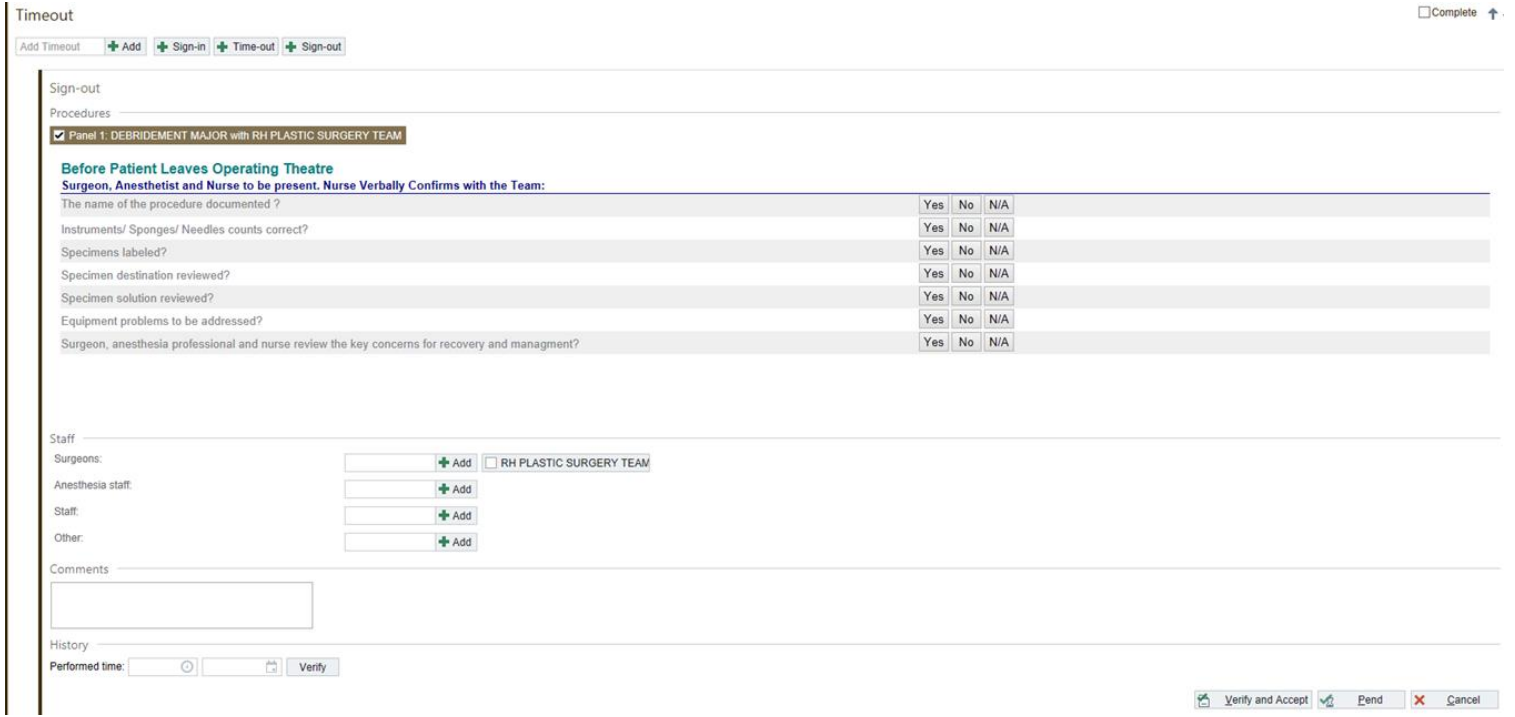
Implementation Process



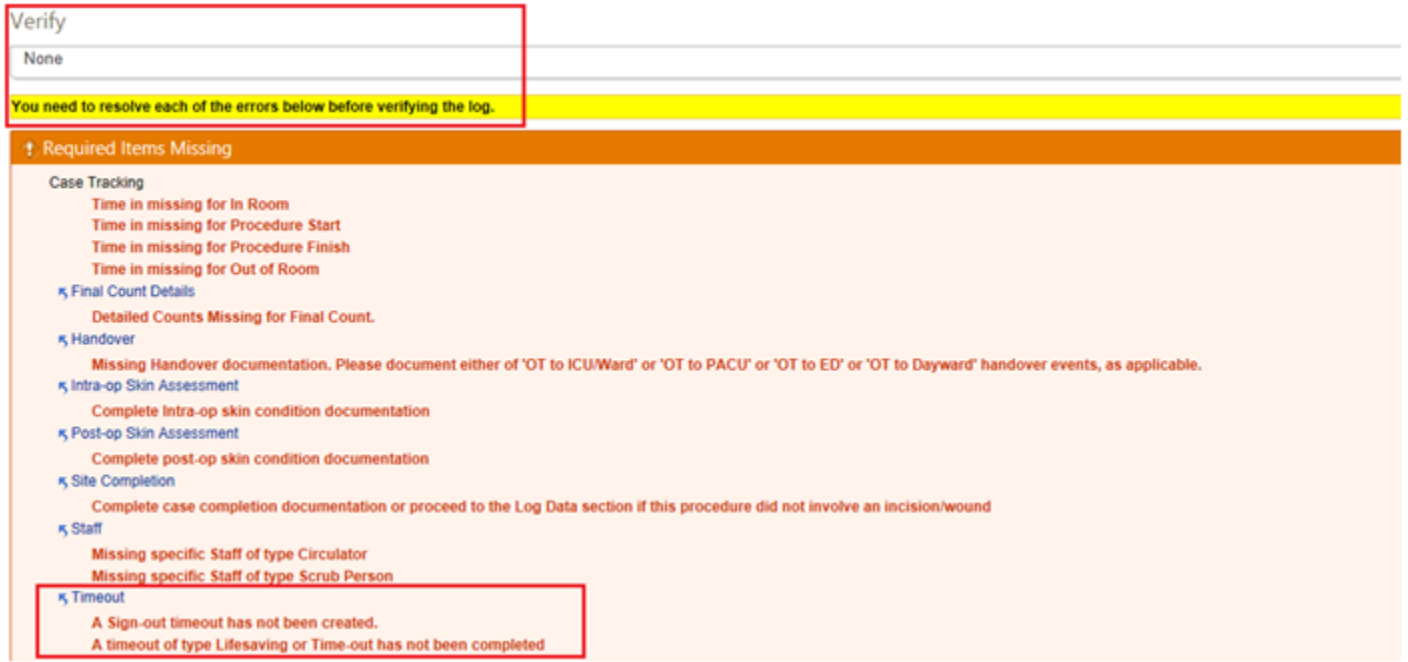
Implementation Process



Implementation Process



Implementation Process



Implementation Process

Once verify completed…

Verify

Complete

Staff Member	Date	Time
Jibin Mathew Cyril, RN	9/9/2019	11:14

Implementation Process

Real time Repost will then be available for Team Lead, Manager Supervisor to Run report and see whether there are incomplete documentation

Location	Sign-in Timeout	Pre-incision Timeout	Sign-out Timeout
RH MAJOR OT	✓	✓	✓
RH MAJOR OT	✓	✓	✓
RH MAJOR OT	✓	✓	✓
RH MAJOR OT	✓	✓	✓
RH MAJOR OT	✓	✓	✓
RH MAJOR OT	✓	✓	✓
RH MAJOR OT	✓	✓	✓
RH MAJOR OT	✓	✓	✓

Barriers and Challenges…

- Unfamiliarity and embarrassment
- Belief that it can not happen to individual clinician
- Hierarchy in the Operating Theater
- Timing of Checks
- Duplication (Pre-operative checklist vs SSC)
- Modification of Checklist
- Misuse of the Checklist

Successful Implementation

- Provide Training and Learning materials
- Organizational Leadership
- Cultivate local champions
- Clarify the role of each professional group
- Regular Audits
- Encourage support local measurement of effectiveness

AREAS FOR IMPROVEMENT

- Multicenter evaluation of barriers to and drivers of successful adoption
- Examination of correlation between effective use and intraoperative and postoperative outcomes
- Effect on teamwork
- Effect of team training on the effective use of the checklist
- Effect on operating theatre efficiency and economics

CONCLUSION

- Completion of Surgical Safety Checklist is an essential component of IPSG 4: Correct Site, Correct Procedure, Correct Patient Surgery.
- Evidence – based practice on use of surgical safety checklist results in reduction of postoperative mortality and morbidity.
- The workflow of Surgical Safety Checklists within the SALAMA system has been implemented and has 100% compliance from the OT team.

References

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