Upstream checklist before Sign-in of Surgical Safety Checklist prevent wrong patient, wrong side & wrong site surgery

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HA Convention

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123 SURGICAL SAFETY 123

醫院管理局 新界東醫院聯網 Hospital Authority New Territories East Cluster

OT Date : _____ Theatre : _____

CONSENTING PROCESS

☐ Surgeon has confirmed the following patient's information
- Name & HKID
- Diagnosis
- Procedure / Side

☐ Consent has been confirmed consistent with OT list

Marking
☐ Yes ☐ N/A

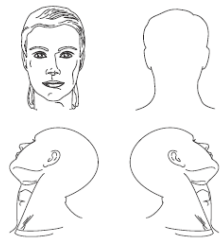
Positioning
☐ Supine ☐ Prone ☐ Other (OT list remark)

'Type & Screen' required
☐ Yes ☐ No (Risk of blood loss < 500ml (7ml/kg in childr

Availability of essential medical devices confirmed (OT list rem
☐ Yes ☐ N/A

Please indicate the mark in the diagram.

1. HOW?
- The mark should be an ARROW ↑ made by indelible marke preparation
- A "R" or "L" is used for EYE patients
- Multiple operation sites must be individually marked



2. WHEN & WHERE?
- The surgical site should be marked in the surgical ward or Day-surgery ward prior to patient transfer to the operating theatre
- Marking should take place before pre-medication

3. WHO?
- Marking should be undertaken by operating surgeons or nom
- The process of pre-operative marking should involve the pati

Circumstances where marking may not be appr

- Dire-emergency surgery should not be delayed due to lack o
- Situation where the laterality of surgery needs to be confirme exploration in theatre

Pre-operation Checklist (By Ward & OT Nurse)

Please put a "✓" in appropriate boxes after ward nurse h

1. Patient identity*(Name&ID) against bracelet and med
2. Consent for operation is consistent with OT list : ☐C
   Consent for blood transfusion : ☐Yes ☐Not applica
3. Site marking* : oConfirmed oNot applicable
4. Type & Screen with report : ☐Available ☐Not requi
   Blood components : ☐Available ☐Not requi
5. Pre-op instruction (including investigation results) fro being followed up : ☐Yes ☐Nil instruction
6. Allergic history : ☐Nil ☐Drug ☐Others_____
7. Infectious status : ☐Nil ☐Yes
   Precaution : ☐Contact ☐Droplet ☐Airborne ☐Bl
8. Level of consciousness : ☐Awake ☐Drowsy ☐Unc
9. Body weight : ☐Measured ☐Not available
10. Fasting : ☐Yes ☐Not required
11. Medication (Refer to MAR) :
    Current medication : ☐Nil ☐Taken
    Pre-medication : ☐Nil ☐Given in ward
    Brought to OT : ☐Nil ☐Yes
12. Physical Preparation : ☐Not required ☐Done, inclu
    ☐Gowning ☐Skin prep ☐Bowel prep ☐Empty bla
13. Removable items : ☐Nil ☐Removed
14. Unremovable items/ implants : ☐Nil
    ☐Fixed denture ☐Loose teeth ☐Artificial nail ☐Pa
    ☐Others_____
15. Pre-packed gauze in patient :
    ☐Nil ☐Yes, Nature_____ / Site_____
16. Items brought to OT : ☐Nil
    Document : ☐Old Medical notes ☐X-ray films ☐Pa
    Aids : ☐Hearing Aid ☐Eyeglasses
    ☐Others_____
17. Other Remarks :

* Notify OT when there is any discrepancy or abnormality upon che

WARD NURSE

Signed : _____

Print : _____

Date : _____

Time : _____

Pre-operation Checklist (By Ward & OT Nurse)

Please put a "✓" in appropriate boxes after ward nurse h

☐ Paed (Medical / Surgical / Orthopaedic / ENT / Eye)

1. Identification bracelets (with ☐Pseudo ID ☐Birth
2. Inform : ☐Parents ☐Next of kin to read the Anaes
3. Inform parent to be present for anaesthetist visit bef
   ☐4pm to 6:30pm on weekday
   ☐12N to 2pm on Saturday
   ☐Other time: at _____ (time) on ___
4. Change TPN to IVF : ☐Yes ☐Not applicable
5. Equipment & Monitor to OT (Refer to Memo) : ☐Ye
6. Special Items to OT :
   ☐Basket / Box for blood component oBlanket to kee
   ☐Arterial Line oChest Drain Bottle (eg. PDA Ligation

☐ O & T

1. Appliances brought to OT : ☐Nil
   ☐Cryocuff (Site) _____ ☐Abduction Pillow
   ☐Halo Instrument (with Memo) ☐Ice Tong Caliper
   ☐Neck Collar ☐Sand bag x 2 ☐Chest Drain + Kock
   ☐Skeletal Traction Instrument with Memo ☐Swivel
2. ☐Disposable underwear ☐Anti-embolic Stocking
3. Check : ☐No ornaments / valuables on limbs ☐No

☐ OBS

1. Assessment :
   Fetal : ☐Fetal heart rate (FHR): _____
2. Intervention:
   ☐Indication for Em / El. Caesarean Section / MROP /
   was explained by Dr. _____
   ☐Anaesthetist Dr. _____ visited clie
   Pre-op inform : ☐LW ☐AN ward ☐PN ward ☐Pa
3. ☐Baby's bracelets are prepared by the nurse and ch

☐ ICU

1. Equipment brought to OT : ☐Nil
   ☐Cardiac monitor + cable
   ☐Pressure cable + pressure bag + transducer
   ☐Oximeter + cable + probe
   ☐ETCO2 + cable + adaptor
   ☐Laerdal bag + reservoir + mask
   ☐Oxylog + tubing
   ☐Oxygen cylinder + regulator
   ☐Drip stand _____ nos
   ☐Syringe pump + power cable _____
   ☐Others : _____

Time : _____

123 SURGICAL SAFETY 123

醫院管理局 新界東醫院聯網 Hospital Authority New Territories East Cluster

THEATRE, BEFORE ANAESTHESIA

☐ Anaesthetist (Surgeon in LA) has confirmed the following patient's information
- Name & HKID
- Diagnosis
- Procedure / Side

☐ Anaesthesia safety check completed (Concentration & dosage of LA)

In case of regional anaesthesia, site checked against surgical procedure with nurse ☐ Yes

Known drug allergy ☐ Yes ☐ No

Fixed dentures / Crowns / Loose teeth ☐ Yes ☐ No

SIGN IN
Anaesthetist (Surgeon in LA)

Signed : _____

Print : _____

Date : _____

Time : _____

BEFORE INCISION

☐ Time Out
- Name & HKID
- Diagnosis
- Procedure / Side

Anaesthetist Signed : _____ Nurse Signed : _____

Print : _____ Print : _____

Marking ☐ Confirmed ☐ N/A

Briefing
Anticipated critical events & patient specific concerns ☐ Discussed ☐ N/A

Prophylactic antibiotics ☐ Checked & Given ☐ N/A

Availability of essential medical devices confirmed (OT list remark)
☐ Yes ☐ N/A

TIME OUT
(Surgeon)

Signed : _____

Print : _____

Date : _____

Time : _____

BEFORE LEAVING THEATRE

☐ Instrument, gauze & needle count correct

☐ Name of procedure recorded

Specimen label confirmed and sent
☐ Yes ☐ N/A

Equipment problem addressed
☐ Yes ☐ N/A

Debriefing
Key concerns for recovery and management of this patient
☐ Reviewed ☐ N/A

SIGN OUT
(Circulating nurse)

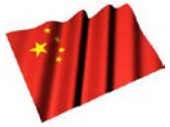
Signed : _____

Print : _____

Date : _____

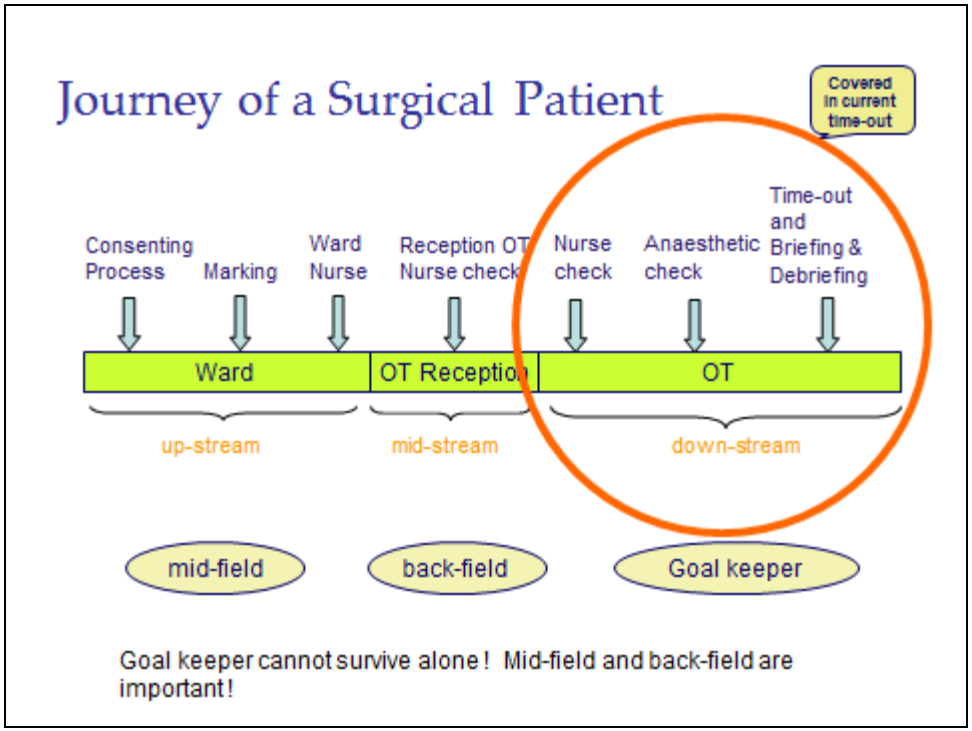
Time : _____

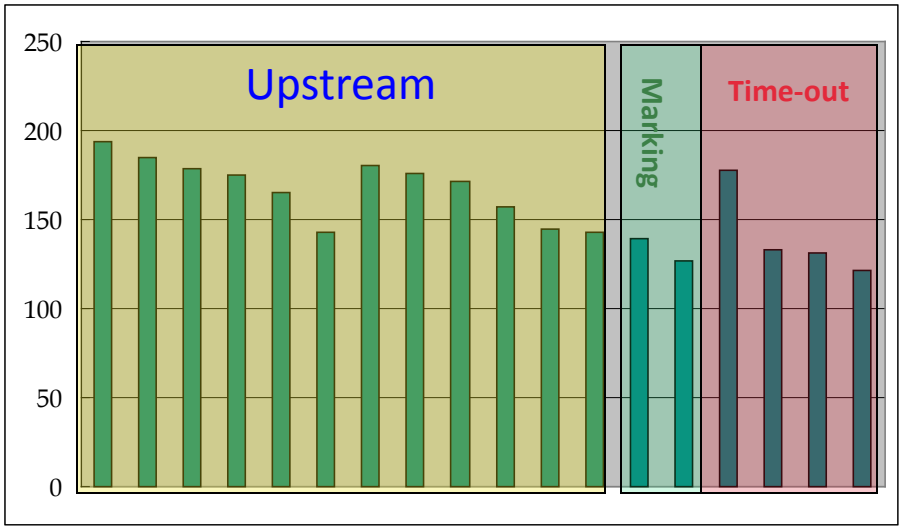
Implementation of 123 Surgical Safety 123

Milestones	*Date*
Trial run in Department of Surgery (elective)	9 Feb 2009
Audit & Evaluation	April 2009
Live run in all elective cases in PWH (all depts)	17 Aug 2009
Live run in all elective AND emergency cases, PWH	1 Oct 2009 

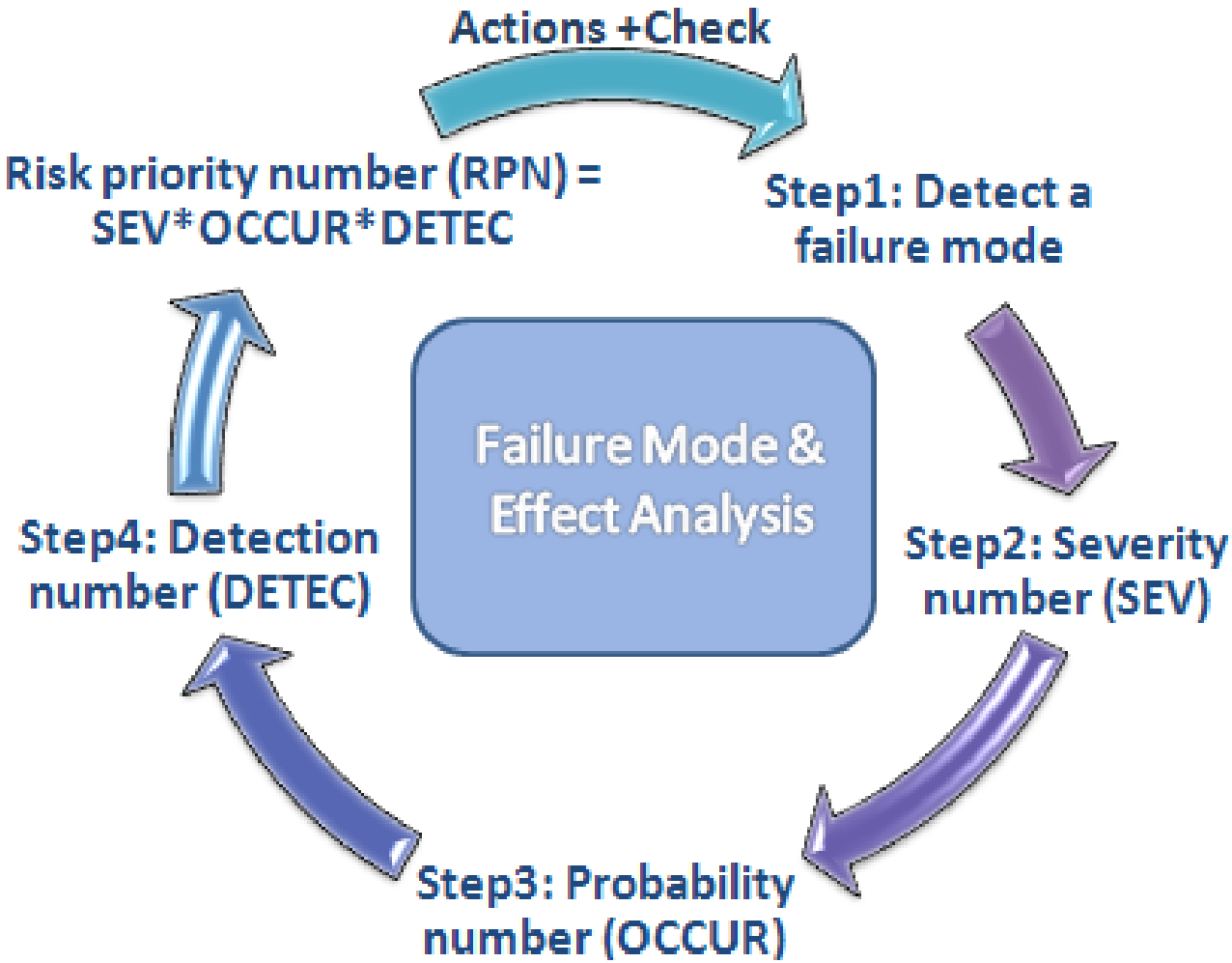
Phase I : Operation Theatre

- Jan 2008 – Oct 2009
- From *Time-out* to *Checklist 123 Surgical Safety 123*
- FMEA : Failure Mode & Effects Anaylsis

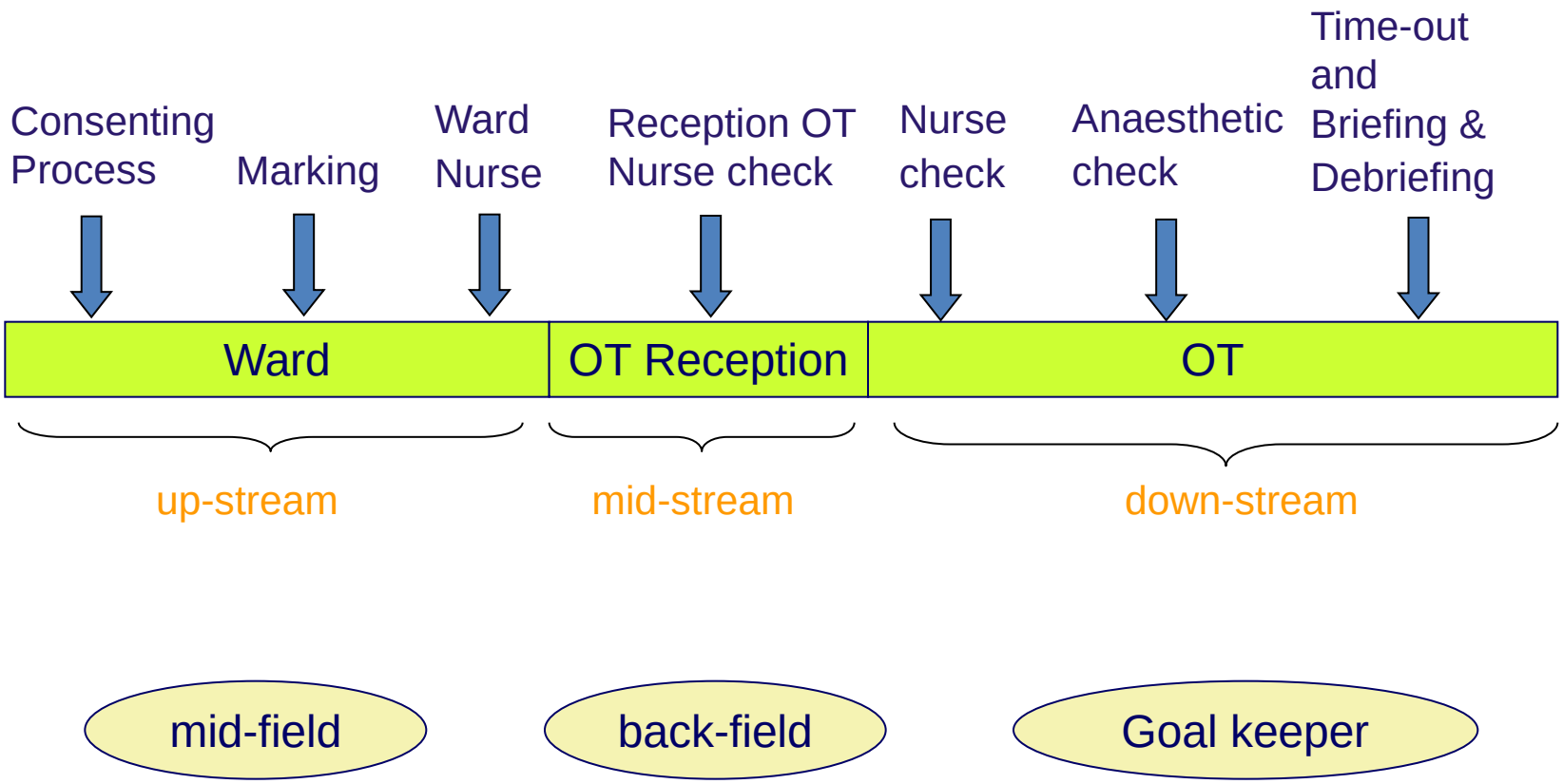




Failure Mode & Effects Analysis (FMEA)



Journey of a Surgical Patient



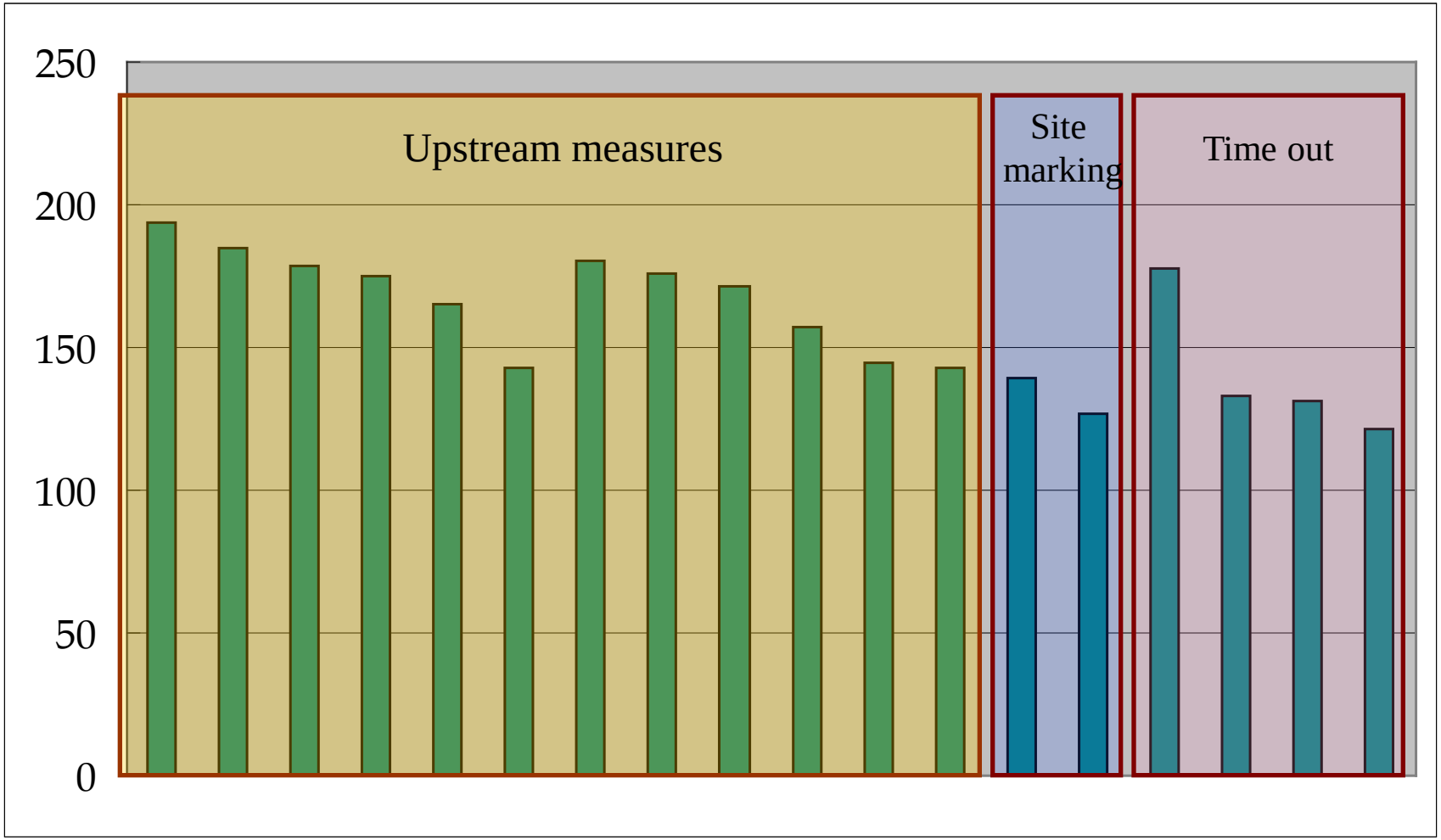
FMEA worksheet

A	B	C	D	E	F	G	H
Process	Sub-process	Failure mode	Severity (1-4)	Frequency (1-4)	Criticality (ExF)	Existing practices	Remedies
EXAMPLE Decision of procedure		Inaccurate documentation (inaccurate clinical diagnosis excluded)	2	1	2 x 1 = 2		
Decision of procedure		Inaccurate documentation (inaccurate clinical diagnosis excluded)					
Transcription error		Error in copying from one system to another					
		Errors in input into computer in particular					
Documentation		Insufficient/inaccurate written documentation					
		Errors in verbal communication					
	Consent	Inaccuracy/incompleteness/inconsistency					
	Label	Wrong patient's gum label used					
Verification		Checking protocol not stringent enough					

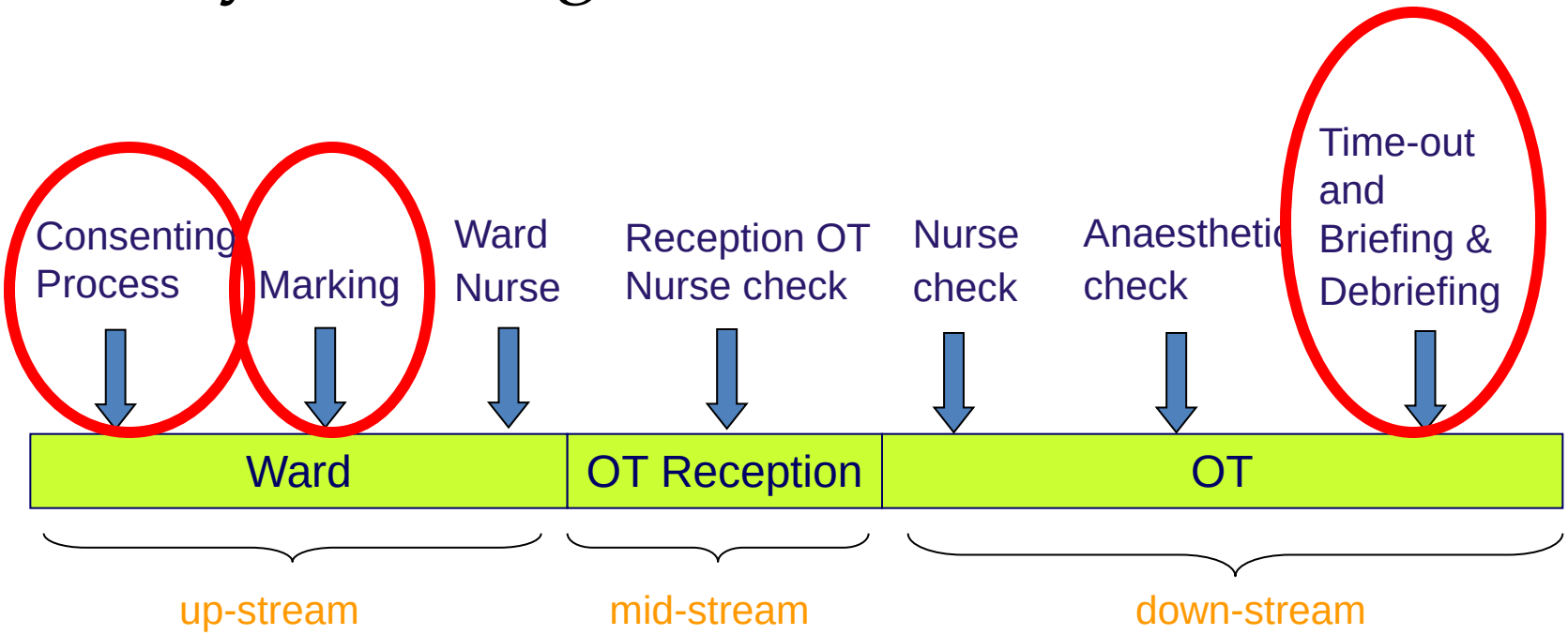
Rank	Score	Description
1	194	Documentation - insufficient written information
2	185	Gum label
3	180	Errors in verbal communication
4	179	Transcription error
5	178	Complex cases, multiple teams
6	176	Culture
7	175	Consent
8	171	Checking procedure not focused enough
9	165	Errors in computer input
10	157	Patient factor
11	145	Miscommunication between departments
12	143	Checking protocol not stringent enough
13	143	Inaccurate documentation
14	139	Wrong/inaccurate marking
15	133	Too many/too few people involved (time out)
16	131	Inappropriate or incomplete timing
17	127	No standard way of surgical marking
18	121	Some key parties not involved

FMEA Task Force

Prevention of Wrong patient, Wrong site/side Surgery



Journey of a Surgical Patient

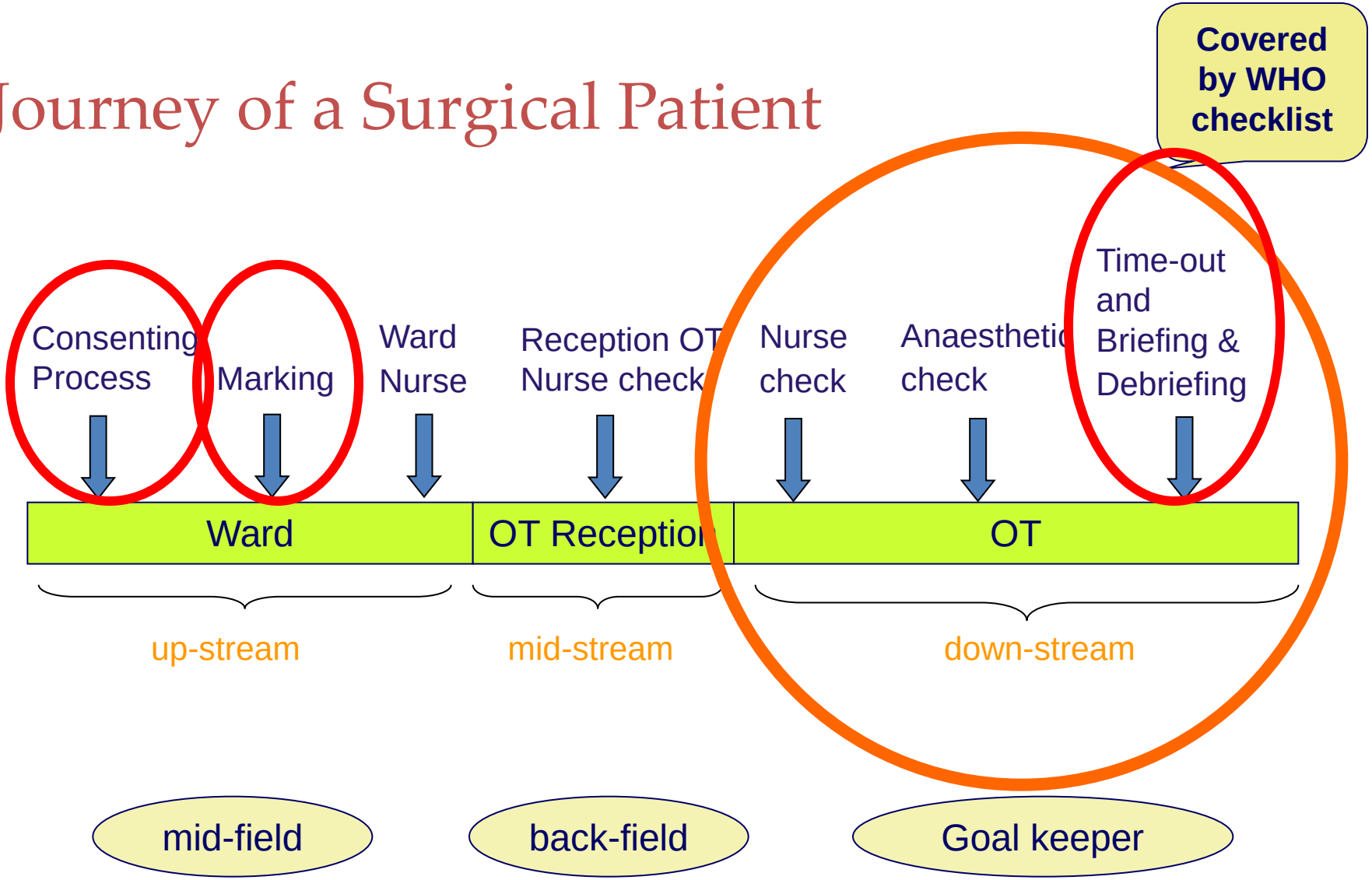


mid-field

back-field

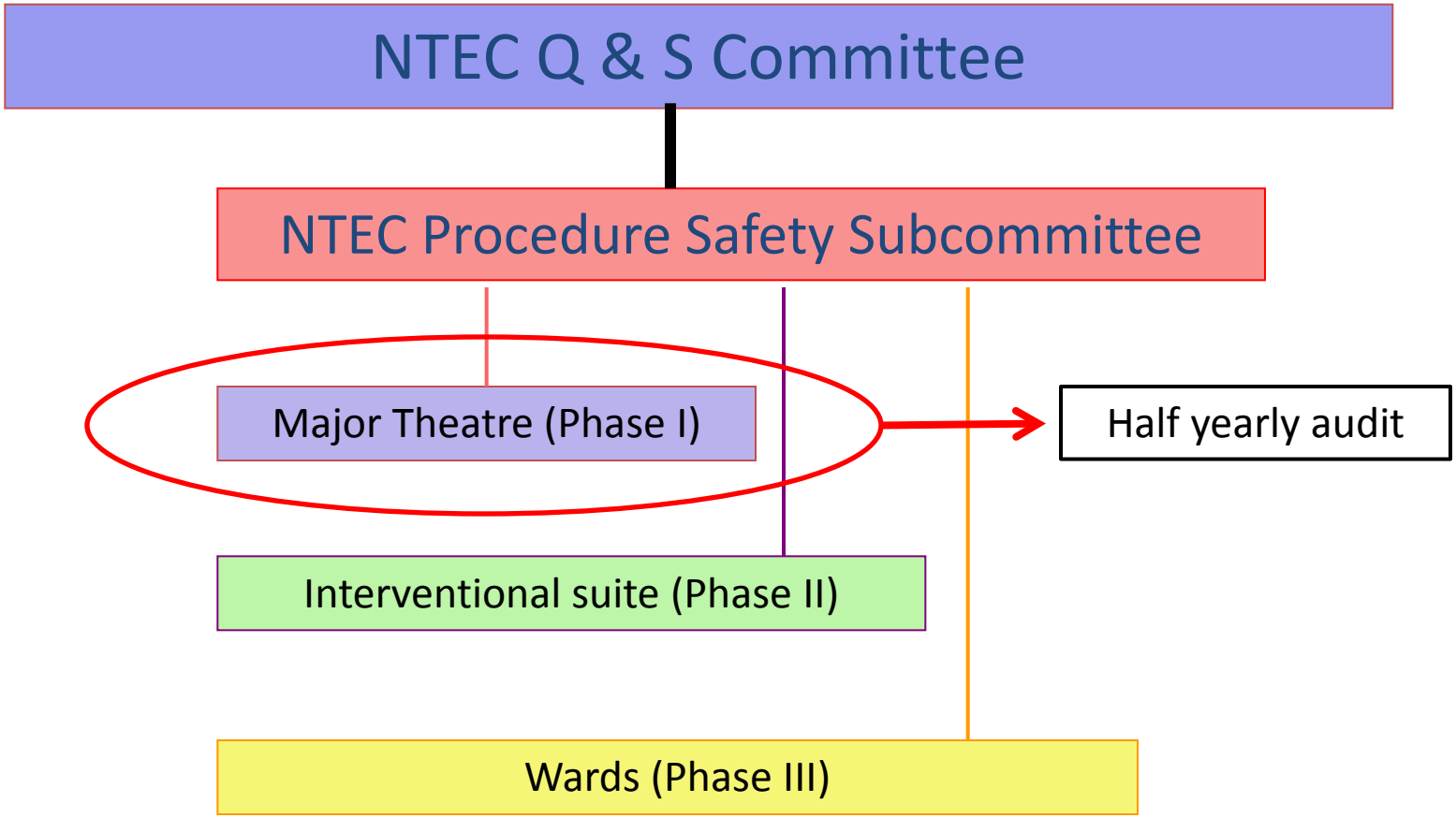
Goal keeper

Journey of a Surgical Patient



We need a checklist covering the whole journey

NTEC Procedure Safety Subcommittee

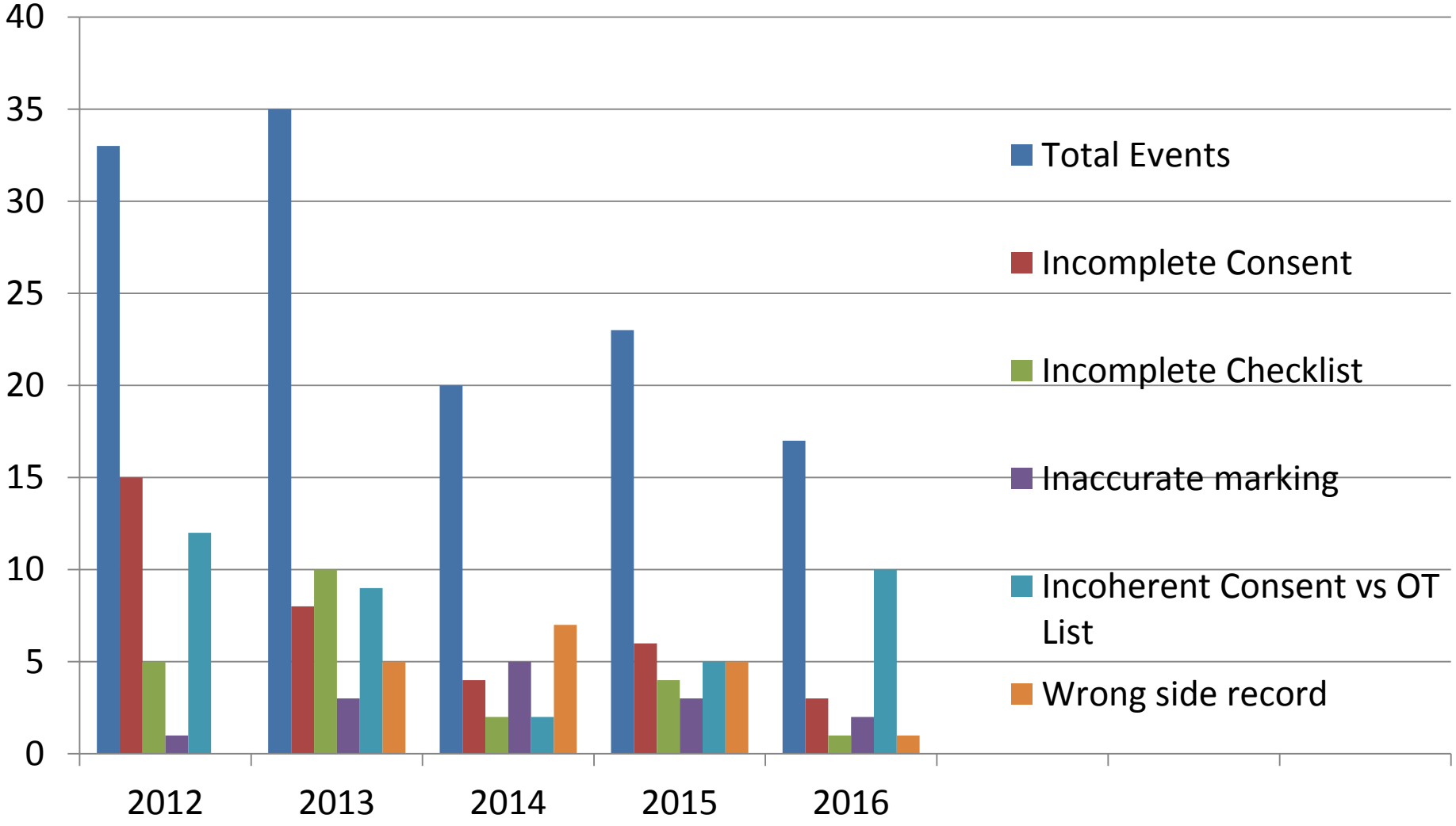


Since 12Q2011

- Audit group from OT users
  - Nurses → Gate keeper
  - Surgeons
  - Anaesthetists
  - Orthopeadics
  - Ophthalmologist
  - ENT Surgeons
  - Gynaecologists
  - Dentist

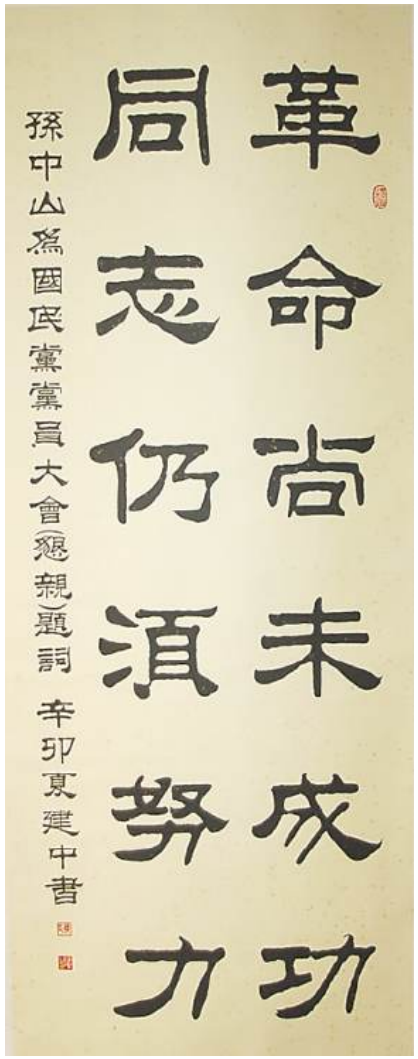
  } the players

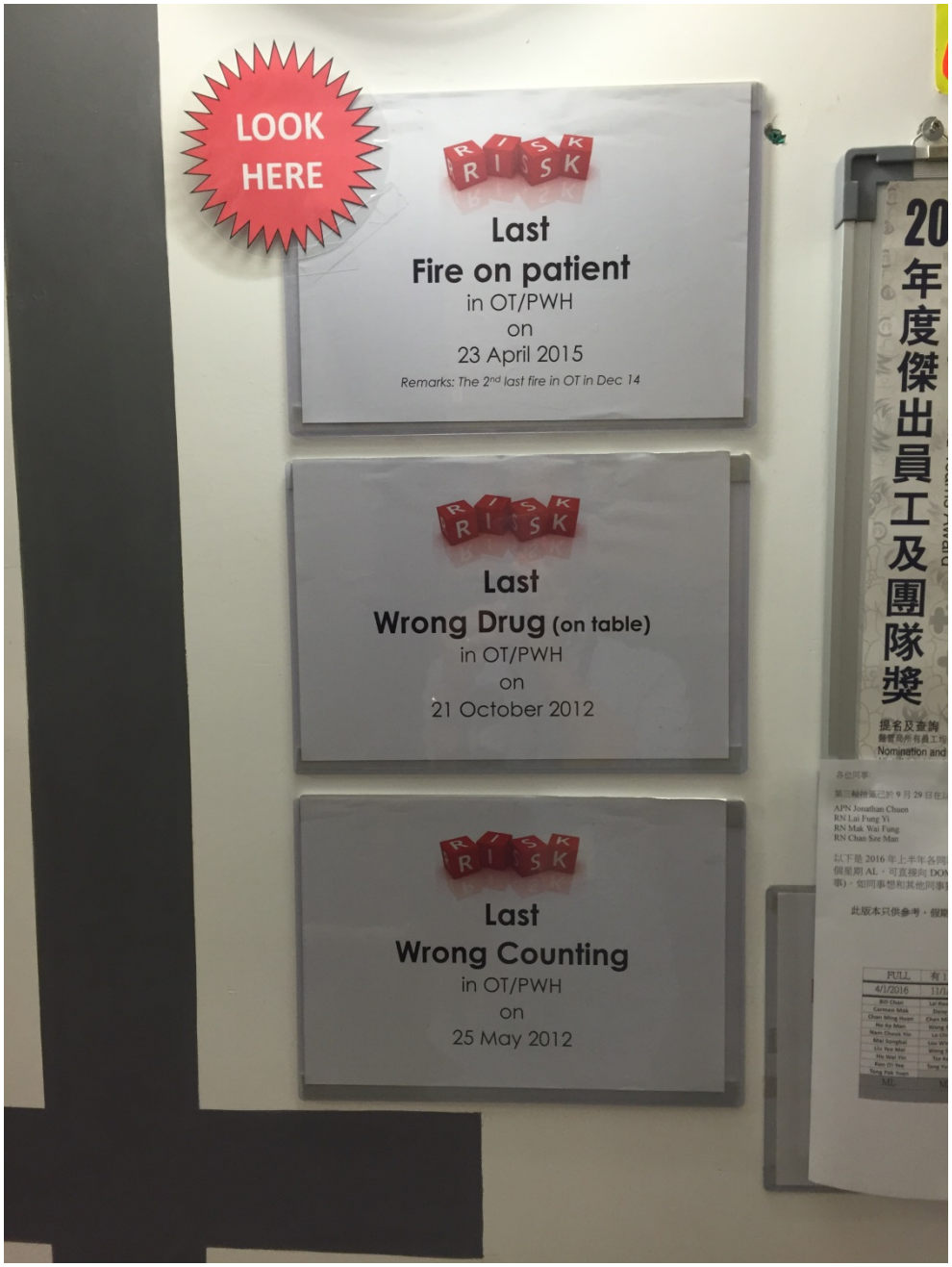
2012-2016


40
35
30
25
20
15
10
5
0
2012
2013
2014
2015
2016
Total Events
Incomplete Consent
Incomplete Checklist
Inaccurate marking
Incoherent Consent vs OT List
Wrong side record

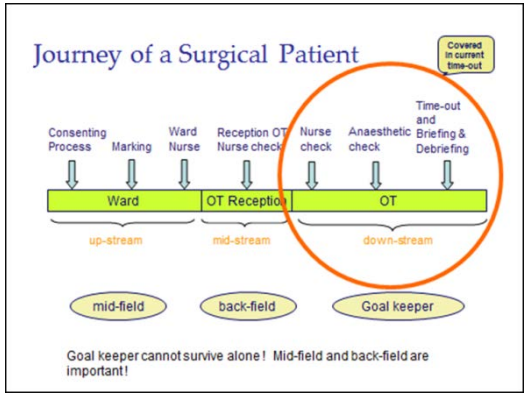
2012 - 2016

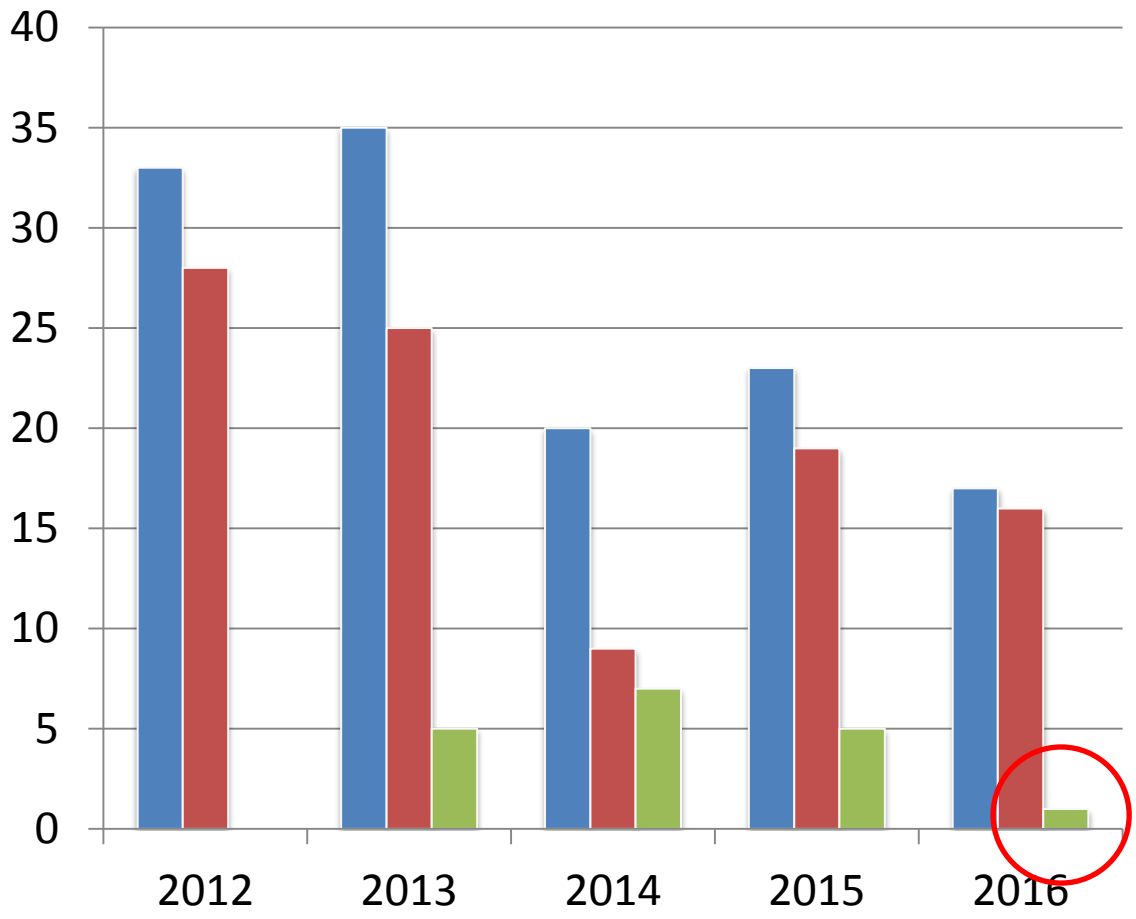
Year	Event	Operations/yr	%
2012	33	11221	0.294%
2013	35	10871	0.322%
2014	20	11210	0.178%
2015	23	10562	0.218%
2016	17	10689	0.159%
Total	128	54553	0.235%


革命尚未成功
同志仍須努力
孫中山為國民黨黨員大會題詞 辛卯夏建中書


LOOK HERE
RISK
Last
Fire on patient
in OT/PWH
on
23 April 2015
Remarks: The 2nd last fire in OT in Dec 14
RISK
Last
Wrong Drug (on table)
in OT/PWH
on
21 October 2012
RISK
Last
Wrong Counting
in OT/PWH
on
25 May 2012
20
年度傑出員工及團隊獎
提名及查詢
Nomination and

2012-2016





- Total Events
- Exclude Checklist Compliance
- Major events (near miss)

Lethal wrong documentation

Year	Event	Operations/yr	%
2012	0	11221	
2013	5	10871	0.0460%
2014	7	11210	0.0624%
2015	5	10562	0.0473%
2016	1	10689	0.0094%
Total	18	54553	0.0330%

Upstream is the culprit and the solution

Thank you