# Administration of Operating Room: the Patient Safety Perspective

Dr Chow Yu Fat
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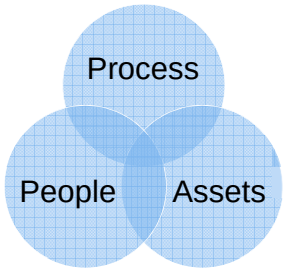
## Highlight



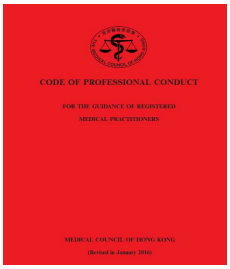

Safety Culture
A way of Life

## Process / Patient Journey

## Patient Journey

- Informed Consent
- Surgical Safety Check List
- Preventing mistakes in surgery
- Infection Control / Hand Hygiene
- Medication: DDA
- Emergency Preparedness
- Continuity of care

Informed Consent
Communication



## Surgical Safety Checklist

World Health Organization | Patient Safety
A World Alliance for Safer Health Care

**Before induction of anaesthesia** → **Before skin incision** → **Before patient leaves operating room**

(with at least nurse and anaesthetist)

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

**Is the site marked?**
- ☐ Yes
- ☐ Not applicable

**Is the anaesthesia machine and medication check complete?**
- ☐ Yes

**Is the pulse oximeter on the patient and functioning?**
- ☐ Yes

**Does the patient have a:**

**Known allergy?**
- ☐ No
- ☐ Yes

**Difficult airway or aspiration risk?**
- ☐ No
- ☐ Yes, and equipment/assistance available

**Risk of >500ml blood loss (7ml/kg in children)?**
- ☐ No
- ☐ Yes, and two IVs/central access and fluids planned

(with nurse, anaesthetist and surgeon)

- ☐ **Confirm all team members have introduced themselves by name and role.**
- ☐ **Confirm the patient's name, procedure, and where the incision will be made.**

**Has antibiotic prophylaxis been given within the last 60 minutes?**
- ☐ Yes
- ☐ Not applicable

**Anticipated Critical Events**

**To Surgeon:**
- ☐ What are the critical or non-routine steps?
- ☐ How long will the case take?
- ☐ What is the anticipated blood loss?

**To Anaesthetist:**
- ☐ Are there any patient-specific concerns?

**To Nursing Team:**
- ☐ Has sterility (including indicator results) been confirmed?
- ☐ Are there equipment issues or any concerns?

**Is essential imaging displayed?**
- ☐ Yes
- ☐ Not applicable

(with nurse, anaesthetist and surgeon)

**Nurse Verbally Confirms:**
- ☐ The name of the procedure
- ☐ Completion of instrument, sponge and needle counts
- ☐ Specimen labelling (read specimen labels aloud, including patient name)
- ☐ Whether there are any equipment problems to be addressed

**To Surgeon, Anaesthetist and Nurse:**
- ☐ What are the key concerns for recovery and management of this patient?

This checklist is not intended to be comprehensive. Additions and modifications to fit local practice are encouraged. Revised 1 / 2009 © WHO, 2009

## Standard Precautions

These are to be used at all times when working with patients.

Personal protective equipment (PPE) is to be used when contact with blood and body fluids is anticipated:

### Personal Protective Equipment (PPE):

- Gowns
- Goggles
- Face Shields
- Masks
- Gloves

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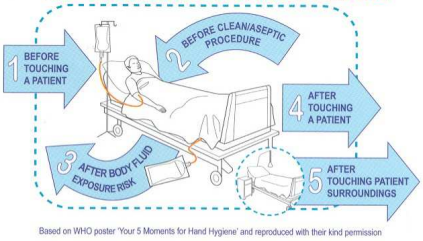
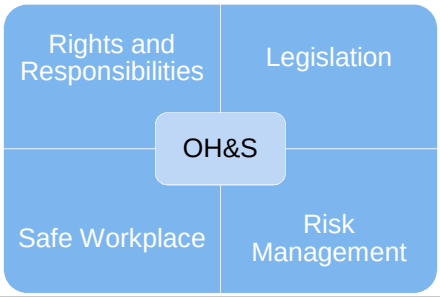
## Your 5 moments for HAND HYGIENE




Based on WHO poster 'Your 5 Moments for Hand Hygiene' and reproduced with their kind permission

## Occupational Health and Safety




| Chapter: | 134 | **DANGEROUS DRUGS ORDINANCE** | Gazette Number | Version Date |
|---|---|---|---|---|
| | | **Long title** | | 30/06/1997 |

To amend and consolidate the law relating to dangerous drugs.

[17 January 1969] *L.N. 6 of 1969*

(Originally 41 of 1968)

| Part: | I | **SHORT TITLE AND INTERPRETATION** | | 30/06/1997 |
|---|---|---|---|---|
| Section: | 1 | **Short title** | | 30/06/1997 |

This Ordinance may be cited as the Dangerous Drugs Ordinance.

| Section: | 2 | **Interpretation** | 2 of 2012 | 17/02/2012 |
|---|---|---|---|---|

Kowloon Central Cluster

Hospital Authority

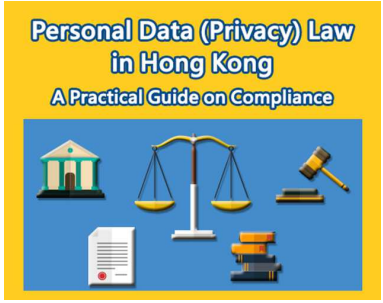
Queen Elizabeth Hospital

**Guidelines on the Handling of Injection Preparations for multiple or for single use**

| | | | |
|---|---|---|---|
| Document No. | KCC/QE/DTC/DTC/GL/0002 | | |
| Department | QEH Drug Therapeutics Committee (DTC) | | |
| Type of document | Guideline | Version | JUL17 |
| Risk Rating | Medium | | |
| First Issue Date | 01/07/2014 | Document Owner: Dr Wilson LEUNG, KCC SP(PHAR) / QEH SP(PHAR) Signature: | |
| Last Review Date | 16/08/2017 | | |
| Effective Date | 24/7/2017 | Approval Officer: Dr Jodia LAM, DTC Chairman Signature: | |
| Next Review Date | 24/7/2019 | | |

## Emergency Preparedness

Resuscitation: BCLS / ACLS
Hospital Transfer and Escort

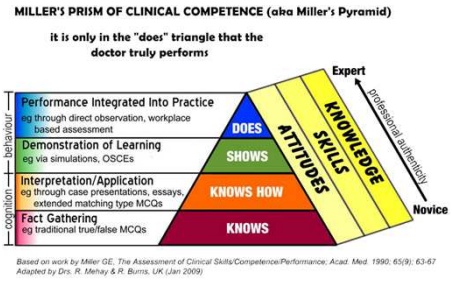



## Continuity of Care

- Discharge Summary
- Transition
- Handover
- Follow up

People

## Training for Competence

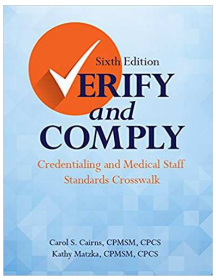



## Training

- surgical, nursing, assistive staff
  - Procedures
  - Monitoring
  - Resuscitation
  - Infection Control

## Credentialing / Privileging

- Ensuring the right provider for the right job
- Accountable care




## Governance

- Management of physician services;
- Management of nursing services;
- Management of pharmaceutical services;
- Management of laboratory and radiologic services (if applicable)

## Assets

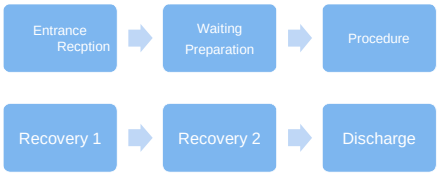
## Facilities Management

- adequately designed and equipped space,

safe environment for patient and staff, proper maintainence

- Patient preparation area
- Operating Room
- Recovery Room
- Administrative area / Support area / Education and training area

## Unidirectional Flow: safety and efficiency




## Equipment / Instrument / Devices

Proper maintainence and functioning

Consumables

Clinical Waste Management

Quality Assurance