To Enhance Drug Administration Safety by Tackling the Major Contributing Factors of Drug Administration Incidents

Presented by
Ms. Tong Chui Mei, Senior Nursing Officer (CND), Central Nursing Division, Prince of Wales Hospital
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During the past few years, a few major contributing factors for drug administration incidents were identified by Root Cause Analysis, including:

- Drug knowledge deficit
- Non-compliance with 3 Checks 5 Rights medication administration procedures
- Distraction
- Inadequate clinical supervision

Follow up strategic actions were planned and implemented to tackle the contributing factors to enhance the drug administration safety in Prince of Wales Hospital.
1. Medication Safety Related Training

All the newly recruited nurses should demonstrate competency in administration of medication with In-Patient Medication Order Entry (IPMOE) System before drug administration independently.

An IPMOE iLearn Course with clinical assessment was live run in May 2016
2. Knowledge update

- 3 Checks 5 Rights Quiz
  - All Nursing staff are invited to join the Quiz!!
  - (From Aug to Sep 2016)

- iDrug Book
  - Search by Drug Name Alphabetical Order
  - All Drugs
  - Please login Learn to take Drug book quiz

- NTEC 3 Checks 5 Rights Quiz 2016
  - All Nursing staff are invited to join the Quiz!!
  - (From Aug to Sep 2016)

>1500 nurses completed and passed the iDrug Quiz in 2016

All nurses attained 100% correctness in Sept 2016
3. Clinical Supervision and Protected Time for Drug Administration

Log Book

Guideline

- Guideline on Clinical Supervision for Temporary Undergraduate Nursing Students (TUNS) in NTEC was developed
- A job list of TUNS available
- Medication administration with the presence of qualified staff

Protected Time

Full nursing manpower during drug administration round for enhancing medication safety

One-to-one coaching in the preceptorship program

Audit in 2016
4. Outcome

Enhancing proper use of IPMOE system

Decreasing episodes of no wristband scanning

Decreasing Serious Untoward Event (SUE) Medication Incidents

Interventions
Drug administration safety is always the prime concern of PWH nurses.