



**Service Priorities and Programmes**  
**Electronic Presentations**

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**A Series of Innovative Medication Safety Strategies: Table Stand, Transcription Reminder, Transcription Memo and Alarm Clock**

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**Introduction**

(a) Non-compliance to checking (48%), Non-attentive (27%), miscommunication (18%) and knowledge deficit (6%) were identified as the causes of medication incidents in 2012. (b) Any error in medication administration record (MAR) transcription may cause direct harm or potential harm to patients. (c) Incorrect infusion rate of high risk medications may be accounted for serious untoward events. Therefore, a series of innovative medication safety strategies were implemented since 2012.

**Objectives**

These strategies aimed to (a) reinforce the appropriate attitude of nurses during administration of medications; (b) ensure correct and complete MAR transcription; and (c) safeguard correct infusion rate of high risk medications.

**Methodology**

(a) Two table stands, which had slogan entitled “絕不假設、莫貪方便、嚴守指引、高度專注”，were put on the two medication trolleys. (b) MAR transcription reminder was designed for nurses to record the bed number of patients whose MAR need to be transcribed. Moreover, MAR transcription memo was designed and used by nurses to communicate with HO to facilitate the MAR transcription without missing pages or items. (c) Alarm clock was used to remind staff to check infusion rate of high risk medications after initiating infusion for 10 minutes. Alarm clock record was also designed for nurses to record the bed number, time and event of the infusion details.

**Result**

Most of them verbalized more attention was put on medication safety and some nurses were even able to recite the slogan. All ward nurses and house officers (HOs) of department of orthopaedics and traumatology were able to demonstrate the correct use of transcription reminder and transcription memo. All HOs were able to demonstrate accurate transcription of MAR(s) with the assistance of MAR transcription memo. No missing page or missing item after MAR transcription was happened after implementation of new strategies. All nurses and HOs verbalized that

these strategies enhanced the communication between nurses and doctors about MAR transcription. All ward nurses were able to verbalize how to use the alarm clock to remind them to perform an additional checking of infusion rate and found it helpful.