運用 RFID 建構高危險藥物之用藥安全系統

The Medication Safety System Applying RFID to Improve the Safe Use and Distribution of High-Risk Drugs

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Abstract:

Today, "Medication safety" is one of the most important requirements for "patient safety". JCAHO (Joint Commission on Accreditation of Healthcare Organizations) also referred that the medication errors were the most common reasons among medical errors that should be prevented. Although many systems have been already applied to improve medication safety, unfortunately, human errors in the medication processes still happen.

For this reason, in order to improve medication safety and reduce human errors, we present in this paper a MSS (Medication safety system) in applying RFID (Radio Frequency IDentification) technologies to refine the traditional checking process of "Five Rights and Three Checks safeguards" to enhance the managements of high-risk drugs. Further, this system also shows great possibility of providing extensive services for drugs control and management in whole hospital.

Key Words:

RFID, Patient Safety, Medication Safety, High-Alert Medications, look-alike/sound-alike drugs