Introduction
Central Phlebotomy Team (CPT) under Nursing Services Division (NSD) in United Christian Hospital (UCH) provides 24-hour in-patient phlebotomy services at hospital-wide. In 2014, average numbers of monthly services load encountered by CPT were 15,500 cases of blood-taking; 1,500 cases of blood culture and 6,500 cases of intravenous cannulation. The procedure trolleys located at hospital-wide are indeed a close partner for phlebotomists and are used as frequent as 23,500 times per month. However, the trolleys, which have been in use since the team establishment in 2007, are inadequate for huge demand of nowadays services. Its outdated design with limited space, unadaptable drawer configurations and unorganized item allocation causes inconvenience and inefficient service outcomes. Moreover, the negative impact on safety and quality perspectives should not be underestimated.

Objectives
To explore the effectiveness of “5S” prior to the preliminary impact on the safety and healthy perspective upon reengineering new procedure trolleys for phlebotomists at hospital-wide in UCH.

Methodology
At hospital-wide in UCH, 31 new procedure trolleys were reengineered in February 2014 and were deliberated on the possible improvements in the perspectives of safety culture. The implementation of project was contemplated with “5S” strategy: Seiri (Sort), Seiton (Organize), Seiso (Shine), Seiketsu (Standardize) and Shitsuke (Sustain).

Result
31 new procedure trolleys located at over 30 different workplaces in UCH were standardized with same configurations. After reengineering, a retrieval system is
established and minimizes the turnover rate of open and close of drawers significantly. Moreover, the risk of strain is diminished. In 2014, “Zero” case of IOD regarding strain on using new procedure trolleys was recorded. The “5S” practice is promulgated to develop staff commitment; for instance, not merely infectious control can be safeguarded, but also ensures its good condition for sustaining 24-hour services via regular check and cleansing. Besides, our cue cards regarding prevention of needle stick injury (NSI) won the 2nd runner-up prize in Photo Contest 2014 organized by Occupational Safety and Health Council. It definitely arouses the general awareness and results in a safety culture. In 2014, the number of NSI has decreased 50% significantly when comparing with that of 2013. In 2014, the “5S” Project on reengineering the new procedure trolleys at hospital-wide was awarded with the OSH Improvement Plan Silver Award at Kowloon East Cluster (KEC). The implementation of “5S” upon reengineering new procedure trolleys at hospital-wide for phlebotomists can strive for a healthier & safer tomorrow. Improvement on the number of IOD is accomplished by the project.