

# 20<sup>TH</sup> WORLD NURSING EDUCATION CONFERENCE

May 22- 24, 2017 Osaka, Japan

## Reduce invasive catheter-associated infections in ICUs by different care bundles – Taiwan experience

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Central line-associated bloodstream infection (CLABSI), ventilator-associated pneumonia (VAP) and catheter-associated urinary tract infection (CAUTI) are the most common healthcare-associated infections (HAI), especially for patients in high-risk units such as ICUs (intensive care units). The application of care bundles to reduce infection rate has successfully become an important measure in many countries. This presentation will discuss how and what were the results of the care bundles intervention in different levels of hospital ICUs, including medical centers, regional hospitals and district hospitals that are located at different areas of Taiwan. In high risk ICUs, different care bundles were implemented in the past few years in order to reduce invasive catheter-associated infections, for which were built on evidence-based infection control measures. The feasibility for the implementation of CLABSI, VAP or CAUTI bundles in the healthcare system plays an important role for the quality and policy of infection control. The final outcome of this study will determine the quality of decisions and implementation of the care bundles policy too.

### Biography

Chun-Ming Lee received his Medical Education at the Taipei Medical University, Taiwan and Institute of Medicine, Chung Shan Medical University, Taichung, Taiwan. As a President of Infection Control Society of Taiwan (ICST) from 2009 to 2015, he plays a key role in the development of infection control program in Taiwan. He cooperates with Taiwan-CDC to initiate many infection prevention projects, such as setting up Sterilization monitoring and infection control guidelines, Hand hygiene campaign program, CLABSI care bundle pioneer research, Reducing HAI and AMR by environmental cleaning program and standards, Catheter-related UTI, VAP care bundle pioneer research, National CLABSI care bundle campaign, etc., to ensure zero tolerance. He also lectures in Taipei Medical University and Mackay Medicine, Nursing and Management College as an Associate Professor. His interests are in infection control, antimicrobial resistance, infectious disease, and chest disease as well as quality improvement. He is an Experienced Trainer in Infection Control, Quality Improvement, and Patient Safety.

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