



## Service Priorities and Programmes Electronic Presentations

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### **Simulation Training on Nurse-Initiated Defibrillation in a Regional Hospital**

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#### **Keywords:**

Nurse-Initiated Defibrillation

Simulation Training

Outcome evaluation

#### **Introduction**

Early defibrillation remains one of key steps of successful Cardio-pulmonary resuscitation (CPR). With the purpose to improve CPR quality in the hospital, nurses are authorized to initiate defibrillation since 2009. New simulation training programme has been implemented since early 2013 to improve training outcome and it is beneficial for patients who need early defibrillation. Based on the data analysis from 2013 – 2016, the results was encouraging.

#### **Objectives**

- To implement a new simulation training to substitute the traditional lecture-based training;
- To evaluate the effectiveness of Simulation Training on Nurse-Initiated Defibrillation (NID).

#### **Methodology**

- A structured in-depth instructor training was launched on scenario-based teaching for trainee workshop.
- The 3-hour trainee workshop included video, quiz, return demonstration, scenario-based simulation and debriefing.
- Outcome measurements included c

#### **Result**

- 23 identical scenario-based simulation NID workshops were organized in the period of 2013 – 2016 with 367 attendances. Mean satisfaction score of programme evaluations was over 5/6.
- In the year 2013 - 2015, there were 146 (10.77%) shockable cases amon