



## Service Priorities and Programmes Electronic Presentations

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**Promotion program on enhancement of staff knowledge on location of  
Automated External Defibrillator within hospital compound**

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**Introduction**

Automated External Defibrillator (AED) is a computerized device used to analyze the cardiac rhythm of a person in sudden cardiac arrest and deliver an unsynchronized electrical charge to convert pulseless ventricular tachycardia (VT) or ventricular fibrillation (VF) to an effective rhythm. It is crucial to minimize the time from onset of pulseless VT or VF to defibrillation because the successful defibrillation will be lowered by 7-10% in each minute passed by. Therefore timely use of AED is very important for saving life effectively.

**Objectives**

In view to provide prompt life-saving measures, there are 3 AEDs placed in open area of hospital compound to for staff and public use. A survey was done in June 2016 to explore staff knowledge on location of Automated External Defibrillator within open area of hospital compound. From the result, 89 questionnaires were received. it found that most staff especially non-clinical staff do not aware the location of the 3 AEDs. There are totally 89 questionnaires from all departments were received. The average score is only 37.5% which is below average. It was found that over 50% staff do not know the exact number and location of the AED. Most of them can't answer correctly that which items are included inside the AED. Also, less than 50% staff can recognize the correct alarm signal once open the door of cupboard which the AED is placed. The results indicate inadequate knowledge of hospital staff on AED will delay the time of using AED.

**Methodology**

In order to enhance staff awareness on the location and related information of AED, a promotion program is implemented in August 2016. Poster is designed for easy referencing on the location and other relevant information of 3 AEDs placed in open area of the hospital compound. A promotion team including cardiac nurse and

volunteers approach all clinical and non-clinical departments to advertise the AED poster as to increase staff alertness on the location of the 3 AEDs and answer enquiry.

### **Result**

A post evaluation is done in mid August 2016 after the promotion activities. 317 questionnaires were received. It is around 3.5 times increased on the receiving rate. The average score is also greatly improved from 37.5%(before the program) to 97.5%(after the program). It shows that the knowledge of hospital staff on the location of 3 AEDs is significantly strengthened after the program. Moreover, in view to motivate staff to participate in the program, two awards are presented to the departments fulfilling the following criteria:

1. 飛躍進步大獎 (the greatest improvement on the score of questionnaire compare with pre & post promotion activities )
- 2.. 最投入參與大獎 (the highest rate of returned questionnaires together with highest score )

Finally, the departments received the rewards as below:

1. 飛躍進步大獎 - Medical Record Office, Admission Office & Death Document Office
2. 最投入參與大獎 - Medical Social Work Department & DM Centre