



Service Priorities and Programmes Electronic Presentations

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Using OTIS-Equipment in Operating Theatre

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Introduction

Operating Theatre Item Tracing System (OTITS), an electronic database system launched in 2012 with the assistance of local IT department, to provide instrument and consumables tracking and tracing in Operating Theatre.

Objectives

(1) To enhance function of OTITS extend to equipment utilization (2) To create an electronic data base for utilization of equipment in Operating Theatre

Methodology

The enhancement project has been launched in Mid-2015. An electronic update has been discussed with local IT department the input of equipment information. Whenever the nursing staff has performed consumables tracking and tracing in OTITS, equipment tracking and tracing can be done at the same time or individually. Nursing staff can retrieve the equipment utilization in OTITS. In the beginning of implementation, both electronic and paper record was required to ensure accuracy of the equipment utilization. After evidence of accuracy of equipment utilization was proved, all paper record was faded out in Feb, 2016.

Result

All nursing staff in Operating Theatre would use and input OTITS-equipment while supervisors would also retrieve data. A survey which 78 nursing staff was opted to conduct in October 2016 with response rate 83.9% (DOM/WM/NO/NS/APN 28.2%, RN/EN 71.8%). More than 83.8% of nursing staff on average showed positive feedback to the project. Supervisors showed extremely positive 96.6% when compared with RN/EN (75.3%). 89.7% nursing staff agreed that effectiveness and efficiency in equipment management was enhanced. Traceability and record information became more convenient. The item lowest score included time saving for data input (73%).