



**Service Priorities and Programmes**  
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**Evidenced-based Renovation to Commissioning a Safe Therapeutic Acute Medical Ward**

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OSH- Occupational Health & Safety

**Introduction**

Renovation may be an exciting experience. With the aging and outdated ward environment, renovation are undergoing by phases across hospital authority. This paper demonstrated an exemplar of how to integrate scientific evidence of occupational safety and health, advanced medical management and users' needs in renovation.

**Objectives**

To provide a sustainable safe and healthy workplace      To facilitate effective workflow of daily operation      To secure advanced ergonomic features in workstation  
To enhance observation to patients & facilitate speedy nursing intervention

**Methodology**

A working group composed of senior nursing management and multi-disciplines including architects and facilities management was made. Literature search of occupational safety & health, effective workflow management were conducted. Site visit to hospitals with advanced renovation. Balanced views and concern of internal and external service users was taken in ward design, i.e. meeting ordinance of access free to all, ergonomic considerations, anti-suicidal measures, manual handling operation.

**Result**

An acute medical ward with advanced features of safe effective workplace was created. 1. Created mini-station with ergonomic features that minimize staff traveling from cubicle to workstation and minimize workflow over daily operation. 2. Installed glass window between mini-station and patient cubicle that enhance staff observation and facilitate intervention to patient with priority care. 3. Provision of locked cabinets for medical records near mini-station assists staff to manage medical record accurately with least effort in busy congested nursing station. 4. Installed extra computers with CMS function situated outside the nursing station to facilitate workflow efficiency including data retrieval/ case reporting and making prescription when using digital XR viewing. 5. Rationalized allocation of medical store/ sluice /equipment room to enhance workflow efficiency and complied infection control policy in clinical area.