



Service Priorities and Programmes
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Enhanced operating room fire response and evacuation

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Introduction

Operation Room (OR) fires are infrequent but catastrophic. Evacuation is extremely difficult as patients are anaesthetized and require assistance to transport. Favorable outcomes rely on operating room staff's familiarity in their roles in fire prevention and management. On line fire safety training is mandatory in UCH, but may not be applicable to OR. A standard operating procedure (SOP) on fire response and evacuation in OR was formulated. It was promulgated to all OR staff after endorsement. Fire drill together with fire safety training was arranged in conjunction with Fire Service Department

Objectives

1. To compare the knowledge of OR fire responses and management pre and post SOP implementation
2. To assess the change of perceived self-efficacy of OR staff in OR fire management

Methodology

A pre- and post- test on knowledge on OR was carried out including Anaesthesiologist, nurses and Operating room assistant, consisting of 23 sub-questions under 10 questions.

Result

Pre-test showed that there was half of the questions being answered wrongly even by experienced staff. The perceived self efficacy was high, but the knowledge was suboptimal. Post test showed there was an improvement in knowledge of fire response and evacuation arrangement in UCH OR (up to 90% correct). However, the improvement in perceived efficacy for OR fire response was minimal