

The Efficacy of Simulation Training in Airway Management Among Final Year Nursing Students

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Background:

To the date the efficacy of the simulation training in airway management among final year nursing students was not being explored adequately even though it was highly recommended to enhance skills, knowledge and confidence during their clinical attachment in the Emergency Department. **Objective:** To determine the efficacy of simulation training in airway management among final year nursing student Kota Kinabalu Health Ministry Training Institute (ILKKM KK). **Method:** This was a pretest-posttest study design involving twenty ILKKM KK final year nursing students (test group) with simulation on airway management before posted to Emergency and Trauma Department (ETD). Two instruments were used, i) Pretest/posttest survey design by Porter et al (2013), and; ii) The Simulation Efficacy Tool-Modified (SET-M). SPSS version 24. Paired T test was used to analyse the mean score for pretest-posttest. **Result:** The result shown significant ($t = -3.009$, $df = 19$, $p < .05$), since the probability value (sig. 2-tailed) obtained (.000) is less than predetermine alpha value (.05), thus null hypothesis was rejected. Cohen's effect size (d) was used to identify the efficacy of the of simulation training in airway management for twenty ILKKM KK final year nursing students found that different between 2 means is 1.611 standard deviation unit from zero (0), very high effect size.

Conclusion: Simulation training has very high effect towards building the confident in airway management among the test group.

KEYWORDS: *Airway management, simulation training, nursing student, confident level*