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## Strategies of simulation training to improve critical nursing practice skills

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High fidelity simulation allows multiple learning objectives to be conducted in a realistic clinical environment safe and harmless to the patients. Students are introduced to realistic situations which take place in either a community or a hospital and need to combine comprehensively their assessment and decision making with discussion, teamwork and joint effort in order to achieve the best management for the simulated patients (Wilford & Doyle, 2006).

The use of simulation in the nursing education for critical care has been progressively accepted across Taiwan in the past years. The Nursing Department of Shin-Kong Wu Ho-Su Memorial Hospital in Taipei designed a simulation curriculum in the education for critical nursing care and has been applying it from 2012 through 2016. The simulation teachers developed many different pathways to lead the young nurses to practice and acquire decision-making skills through realistic situations in which group communication, discussion, and teamwork were mandatory to manage properly complex situations such as ethical dilemmas, patient's safety issues, AMI, CVA with rt-PA treatment, acute intoxication, hyperkalemia in hemodialysis patients, and accidental extubation.

The instructors led the nurses to discuss their clinical problems and different opinions before a debriefing in the workshop. Approximately 80 nurses participated in each session of the curriculum in the above- mentioned period of time and the satisfaction of the trainees was as high as 91%. High fidelity simulation can consolidate the nursing practice, improve the critical care skills, professional competence, and ultimately, self-confidence of the nursing staff.

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