58th World Advanced Nursing and Nursing Practice Congress

August 16, 2021 | Webinar

Disaster management – an evaluation of a nurse education intervention to increase preparedness to respond to critical emergencies in nursing

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Aim : This research evaluated nursing knowledge, skills and management following a systematic training program on disaster response techniques. It revealed factors which influence preparedness in emergency response.

Backgroud : Nurses are key to disaster response, it is necessary to prepare nurses and to establish roles and responsibilities, offer regular education. Through provide effective training regimes to make a difference to nurses so that they feel prepared to respond appropriately in the event of disaster.

Methods : N 270 nurses from 5 hospitals and healthcare centres across the Jiangsu Province of China were asked to participate in an international program of education on disaster response in January 2018. N270 completed the Nurses' disaster preparedness tool (DPET) before and after the training, to reveal factors relating to their perceived knowledge, skills and management.

Results : Subjects revealed that they did not feel adequately prepared to respond to disaster situations before their educational intervention. However, their responses after the event suggested they remained unprepared for disaster events. Nurses act as key agents for disaster response. However, they need further simulated practice scenario training to strengthen existing skills.

Conclusion : Healthcare and Hospital managers must ensure that nurses receive regular and adequate training and education so that they are able to respond to disaster events.

Biography

Yusheng Shu, PhD, chief physician, professor, doctoral supervisor. He is currently the Dean of Northern Jiangsu People's Hospital, a young and middle-aged expert with outstanding contributions in Jiangsu Province, and a key medical talent in the provincial "135 Project". Engaged in thoracic surgery medical treatment, teaching and scientific research for 35 years, comprehensively master the diagnosis and treatment of various thoracic surgery diseases, especially good at the minimally invasive diagnosis and treatment of lung cancer and esophageal cancer under thoracoscopy. He published 34 papers at domestic and international journals.

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