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Effect of educational intervention on knowledge and attitude of nursing students regarding stem cells therapy

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Introduction: Recent advances in science have proven that stem cell could potentially generate cure and treatment for various diseases including cancers, cerebrovascular, and immune disease. This promising evidence ignites the hope of achieving stem cell therapy in medical field. Nursing curriculum needs to be updated with the promising concept in order to equip future nurses with required knowledge for safe practice.

Aim: The present study aimed at examining the effect of an educational intervention on knowledge and attitude of nursing student regarding stem cell therapy.

Methods: The study was conducted at the College of Nursing-King Saud bin Abdul-Aziz University for Health Sciences, Riyadh, KSA. A quasi experimental design with pre and posttest utilizing a convenience sample of 53 students was used to collect data with the knowledge and attitude after taking the stem cell therapy questionnaire.

Results: Results showed poor knowledge about stem cells therapy in the pretest with a remarkable improvement and statistical significance in the posttest. Although, student's knowledge in the pretest was poor, they showed a positive attitude toward stem cells therapy in the pretest and posttest. The study concluded that the educational intervention was effective in improving future nurse's knowledge and attitude regarding stem cells therapy. Further educational programs that utilize religious, cultural and social factors are crucial. Including such critical topics in nursing curriculum is also required.

Biography

Hanem F Mohamed is an Assistant professor of Medical Surgical Nursing. She has earned her PhD from Case Western Reserve University, Cleveland, Ohio, USA. She is the Head of Nursing College at King Saud Bin Abdul-Aziz University for Health Sciences, Riyadh, KSA. She has 25 years of experience in teaching Nursing and she has published many papers in Nursing in various reputed journals.

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