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The incidence and circumstances of needle sticks injury (NSI) among Arab nurses students: Comparative study

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Background: Needle stick and sharp injuries are important problems for nursing students as they increase the risk of spread of infection.

Aim: The aims of this study were to found out the incidence of needle sticks injury (NSI) among Arab nurse students and to evaluate the circumstances around this situation.

Design: This multi-centre study was carried out as a cross-sectional survey based on a self-administered questionnaire. It was conducted among the undergraduate nursing students (from 2nd year to the final year). A descriptive comparative design was used to explore the incidence of needle sticks injury (NSI) among Arab nurse students and evaluate the circumstances around this situation.

Setting: The study was conducted at faculties of nursing among four Universities at Jordan, Egypt, Iraq and Saudi Arabia.

Sample: The study sample included all undergraduate faculties of nursing students (1320) who agreed to participate in this study from their second year to their fourth year of study at faculties of nursing for the selected countries.

Method: A self structured questionnaire of two parts was used: The first part presented socio-demographic questions. The second part includes questions about the needle stick at clinical practice, their frequency (including number, nature and reason), the place where the NSIs occurred and whether the event was reported.

Results: There was high percentage of students exposed to needle stick the percentage who have been exposed to injury were 40% and this is a serious indicator. Also not all students know about the global preventive measures, acupuncture safety device or how to deal with the contaminated needle. Finally there was a high incidence rate, lack of knowledge toward needle sticks among university nursing students within all the selected universities which was statistically significant.

Conclusion: Proper steps are needed to promote the awareness of and educate students about the dangers and prevention of injuries.

Biography

Shalabia El-Sayead Abozead has completed her PhD and Postdoctoral studies from Assiut University Faculty of Nursing. She is a Teacher in Faculty of Nursing, Assiut University, Egypt. She has published more than 10 papers in reputed journals and has been serving as a Reviewer in some journals.

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