Assessment of safe injection practice among nurses in Port Said General Hospital

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Aim: Improving safe injection practice in Port-Said General Hospital.

Introduction: A safe injection is one that, “does not harm the recipient, does not expose the provider to any avoidable risk and does not result in waste that is dangerous for the community”. In developing countries, about 16 billion injections are administered each year.

Methods: Through-out March 2015, a cross-sectional, descriptive study was conducted to assess safe injection practice among 150 nurses in Port-Said General Hospital. Data collected by observational CDC Checklist and another checklist for unit evaluation.

Results: Regarding needle disposal 77% of nurses got rid of the needle in safety box, 1% threw it in the pin while 22% threw it in a barrel. Regarding hand washing 41% of nurses washed their hands before preparing medication, while 23% of nurses washed their hands before touching patients and 51% of them washed their hands after touching patients. 57% of nurses wore gloves while 43% didn’t. We found 52% of nurses didn’t have HBV vaccine. We found also 77% of nurses were trained on safe injection while 23% weren’t trained.

Regarding observation, 73% of medication areas were cleaned while 27% weren’t. 83% of nurses used single dose vials, ampoules or bottles of intravenous solution for only one patient while 17% didn’t. Regarding to hospital unites, only 44% of unites had written policies or procedures for safe injection.

Conclusion: Our evaluation results are good regarding clean medication area, needles for one patient, new needles and syringes, using single dose Vail and using medical connectors for one patient, while are poor regarding disinfecting rubber septum of vial,dating multi dose vials’ for 28 when opened and keeping multi dose vial in a centralized medication area and not to enter it in the immediate patient area, these poor results may be due to some untrained nurses.

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