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Using Simulation as a Method to Improve Paediatric Nurses Skills in Assisting Circumcision Procedure

Souher El Amouri, EdD, RN

Al Rahba Hospital, Abu Dhabi, United Arab Emirates

Purpose: Due to many reasons related to cost effectiveness, increase waiting time, operational issues and insurance coverage, the circumcision procedure was moved from Day Surgery to Pediatric Unit. Although pediatric nurses deals with children, however none of the staff have experience in assisting in circumcision procedure. Literature review shows many benefits of using simulation in improving staff knowledge, skills, attitude, satisfaction, self-confidence and patient safety. This study aims to discuss the use of simulation as a method to improve pediatric nurses skills in assisting circumcision procedure.

Methods: descriptive design used, the study was conducted in pediatric unit in one government hospital in UAE. A convenient sample included pediatric nurses, physicians and managers. Several meetings were conducted to arrange for the project commencement, consumable, resources and staff scheduling were arranged. Instructional material, video and competencies were sent to staff, and 8 hours Low-Fidelity Simulation were used to assess staff knowledge, skill and attitude. After simulation, pediatric staff were supervised by Operating Theatre nurse for two procedures and later on pediatric staff were conducting the procedure alone. Feedback collected from nurses, manager and doctors by using open ended questions.

Results: The following themes were generated from open ended questions, nurses' feedback before simulation: overwhelmed, physician refusal and fear. After simulation: confident, have enough time to practice and physician approval. Nurse Manager Feedback: before simulation: overtime concern and resources issues. After simulation: satisfied. Physicians' feedback: before simulation: Hesitancy and time consuming. After simulation: satisfied and procedure managed on time

Conclusion: Simulation helped in moving circumcision procedure from Day Surgery to Pediatric Unit. The process was successful in Pediatric unit although there was many concerns at the beginning of the project from multidisciplinary team, however, after the use of simulation, staff, physicians and manager were satisfied. The project has resulted in creation of training plan with competencies and list of resources outside the Day Surgery Unit.

Title:

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Keywords:

circumcision procedure, Low-Fidelity simulation and nurses, nurse educators

Abstract Summary:

The purpose of this presentation is to share results of study on using Low-Fidelity simulation as a way to improve paediatric skills in assisting circumcision

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First Primary Presenting Author

Primary Presenting Author

Souher El Amouri, EdD, RN Al Rahba Hospital Head of Nursing Education Department Abu Dhabi United Arab Emirates

Author Summary: Souher is a Nurse Educator and currently is the Head of Nursing Education Department at Al Rahba Hospital. During her nursing career she performed many roles such as Staff Nurse, Unit Manager, College Nurse Instructor and Unit Leader. She has presented in many conferences, locally and internationally and conducted many research studies in health care delivery. She is holder of Master Degree in Nursing and Doctor of Education from the University of Southern Queensland/ Australia.