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Reducing “failure to rescue” occurrences during in-hospital paediatric resuscitation events

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Background: Despite Advanced Life Support courses every two years and Policies & Procedure Guidelines; we had proven that system failure can prohibit us getting the right people with the right equipment and right training to the right person at the right time. This Nursing Led QI Project is aimed at improving bedside resuscitation care and optimising patient safety.

Methods:

Developed First Responder BLS and PALS guidelines and standardized multidisciplinary simulation training. Using check list and monitoring data tool during multidisciplinary simulations for measuring each team member's performance during the simulation to be able to create a high-quality education plan to improve their knowledge retention. Setting a gold standard of 60 minutes Crash Cart Ready for Use. Departmental policy and procedure developed and implemented, sustained by reviews every two years, updating and auditing compliance. Standardisation of resuscitation equipment and establishing hospital resuscitation response zones to ensure ALS initiation within 5 minutes. Empowerment of Critical Care Nurses to use the Automatic External Defibrillator. Auditing process of Code Blue Record.

Results: After extensive Root Cause Analysis, multidisciplinary simulation training and continued support following achievements: standardised resuscitation simulation training for Physician Team Leaders and Critical Care Nurses, Crash Cart ready for use at all times, achieving the 5 minutes ALS response time and increased confidence of all resuscitation involved team members.

Conclusion: Standardisation of all resuscitation equipment has given reassurance and proven across the board high quality and prompt resuscitation care. The process of team building, occurring in the early and most vulnerable phase of resuscitation is of particular importance. This early time point is difficult to capture in real cardiac arrests and these simulator-based studies have provided important insights. Results demonstrated a faster response to patients requiring resuscitation care, greater efficiency in the provision of advanced life support and a more effective multidisciplinary resuscitation response team.

Biography

Andrea Kadlckova is a highly qualified and educated nurse with 9 years' education of Nursing Science. Currently she is working as a Resuscitation Clinical Practice Facilitator at King Abdulaziz Medical City and King Abdullah Specialist Children Hospital in Riyadh, Saudi Arabia. Lived and worked in Riyadh for over 3 years embracing the strong cultural and family values. She has Experience as intensive care nurse with a passion for medical research studies and education.

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