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A pediatric sepsis early recognition simulation and checklist; final data and lessons learned

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Pediatric sepsis is a global problem. Early recognition is key in preventing sepsis progression, because deferred recognition leads to patient deterioration. Recognition of pediatric sepsis is frequently delayed, because nurses often lack the knowledge of the signs and symptoms of early sepsis. Educational interventions that include patient deterioration and warning signs of pediatric sepsis deterioration are encouraged. Simulation is one way through which it can be done. Currently, the literature is lacking regarding a simulation tool that is valid and reliable in evaluating performance with recognizing/intervening with pediatric sepsis. The purpose of this study is to validate a simulation and an early recognition of pediatric sepsis performance checklist, based off a current instrument used in a local hospital, utilizing simulation experts/faculty, students, and content experts from industry. This simulation and tool will be implemented with an estimated 150 pre-licensure nursing students to evaluate their performance and to assess the psychometric properties of the pediatric sepsis performance checklist. The results and lessons learned, as well as, suggestions on how to collaborate between academic and industry will be presented. The results could create an expository of valid and reliable simulation scenarios which will shape and foster improved teaching strategies. Following this study, the goal is to use and test the scenario with practicing pediatric nurses.

Biography

Desiree Diaz is an Assistant Clinical Professor at the University Of Central Florida College Of Nursing. She has been a nurse educator for the past 13 years. She earned her PhD in Nursing with a focus on simulation and Limited English Proficient Patients. She is interested in and investigating simulation best practice and using simulation as a mode of education to decrease healthcare disparities with vulnerable populations. Her current research activities include looking at different types of simulation and student outcomes and improving missed care with correctional healthcare nurses via simulation. She completed a simulation research post-doc with Dr. Pamela Jeffries at John Hopkins University. Desiree is an ANCC Board certified Medical-Surgical Nurse and Certified Nurse Educator. She is one of the 20 people in the world to be a Certified Healthcare Simulation Educator - Advanced. She also practices in the acute care setting to assure clinical relevance in her work. Cultural awareness and linguistically competent care are hallmarks of her teaching, scholarship and practice—a true commitment to diversity.

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