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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

Mindi Anderson is employed at University of Central Florida College of Nursing, where she is an Associate Professor and the Coordinator of the Nursing and Health Care Simulation Program. Additionally, she works for Orlando Health as a Nurse Scientist. She is an expert in Healthcare Simulation and publishes widely in peerreviewed journals. Currently, she has over 15 published articles. She speaks locally, nationally, and internationally on simulation-related topics. She serves as a reviewer for multiple nursing and simulation journals and is joining the editorial board for the journal, Simulation in Healthcare.

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