"Application of Complex Science to the Work and Education of Nurses"

The profession of nursing is a complex system that constantly interacts with the healthcare environment. Within health care facilities, patient health outcomes are influenced by many factors including but not limited to, the educational levels of the nurses caring for the patients, nurse-patient ratios, and constant changes in the healthcare system. Nursing clinical decision making is data-based evidence-based practice, critical thinking skills, caring, and understanding complex networks that nurses establish during their education. These nurses then analyze patterns to give meaning to the nurse-patient relationship. Within these complex clinical situations, nurses learn to analyze patterns in patients' holistic clinical situations. These important areas are teaching nurses how to establish circuitry to evaluate patients' responses to nursing interventions (Budding Scholars Conference, December 5, 2014). Moreover, that evaluation information, nurses determine patterns over time between interventions. Similarly, the nurse has performed and the patient's responses to those interventions. Nurses then analyze these patterns to give it meaning to the nurse-patient relationship. Next, the nurse explores the regulations and policies that guide the work of nurses and examines how delays affect patient outcomes (Wolf-Branigin, 2013). The purpose of this presentation is to identify ways that complexity science is applied to the work and education of nurses.

References

Biography

Dana Martin has been a registered nurse for 17 years and received her Doctor of Nursing Practice degree in May 2014 from Gardner-Webb University in Boiling Springs, North Carolina. She currently works as an Assistant Professor at Pfeiffer University in Misenheimer, North Carolina. Her specialty areas in nursing and nursing education include community/public health nursing, nursing education simulation, nursing pharmacology, and fundamentals and concepts of nursing practice. She will be presenting a research study on nursing simulation at the American Association of Colleges of Nursing’s 2014 Baccalaureate Nursing Education Conference in Baltimore in November.