

Kathryn Shapiro

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EDUCATION

EdD in Applied Learning Sciences, anticipated graduation 2026

University of Miami, Miami, FL

MS in Nursing Leadership and Management/Education, 2012

University of Maryland, Baltimore, MD

Graduate Project: Effects on workflow in NICU: single vs. multi-patient room design

BS in Nursing, 2007

Johns Hopkins University, Baltimore, MD

Member of Student Government Ethics Committee

SON Grant Recipient

AWARDS

Patient Centered Care Grant, Johns Hopkins Hospital

2013

EXPERIENCE

Instructor of Clinical Nursing, University of Rochester

2021-Present

Instructional designer for CNL, HCLS, MNE programs;

Master's in Nursing Education faculty

Unit Educator, NICU & Newborn Nursery, Golisano Children's Hospital

2015 - 2022

Assess learning needs of staff and coordinate educational activities;
incorporate evidence based literature into standards of care;
conduct and apply research findings in the writing of policies/guidelines.

Assistant Coordinator, Neurosciences Intensive Care Nursery, Johns Hopkins Hospital

2013 - 2015

Provide education/training related to neonatal neurosciences to unit staff;
created protocols for therapeutic hypothermia for perinatal hypoxic-
ischemic brain injuries.

Clinical Instructor – Pediatrics, Johns Hopkins University

2012 - 2015

Oversaw undergraduate students on toddler/school-age pediatric units
and graded assignments.

Nurse Clinician IIE – Neonatal ICU, Johns Hopkins Hospital

2007 - 2015

Neonatal transport RN, preceptor for new nurses and nursing students,
relief charge nurse, member of the delivery room team.

PRESENTATIONS

The Impact of Single Patient Room Design on a NICU Nursing Orientation and Medication/Fluid Errors. 2018

Vermont Oxford Network Annual Quality Congress

Special Considerations in the Prehospital Environment 2017

Stabilization and Care of the Neonate in the Pre-Hospital Environment Conference

The Times They are a Changing: Implementing the new 7th ed. NRP Updates Nuts and Bolts of Simulation Debriefing 2017

NRP Regional Train the Trainers Conference

Safer Sleep for Babies, Initiatives and Challenges in the NICU 2017

NYS Perinatal Association, Annual Conference

RESEARCH

Research Assistant 2012 - 2015

“Cerebral autoregulation and neurologic injury in neonatal hypoxic-ischemic brain injury.” Principle investigator, Jennifer Lee, MD.

QUALITY IMPROVEMENT PROJECTS

Neonatal Hypothermia 2019 - 2020

Initiated several workflow changes/education including, using incubators on the Birth Center, to reduce the 40% incidence rate of neonatal hypothermia in well baby units.

Antibiotic Stewardship 2016 - 2018

Trailed use of early onset sepsis risk score calculator, educated staff, evaluated new treatment plans outcomes

Glucose Gel 2017 - 2018

Administering buccal glucose gel to mildly hypoglycemic infants on OB units to decrease need for IV fluids in NICU

Decreasing Impedance on aEEG 2013 - 2014

Explored/trailed different leads to provide best read on aEEG then educated staff on new leads

Pressure Ulcer Prevention 2011 - 2015

Implemented/educated staff on use of Neonatal Braden Q tool, revised skin care protocol, monitor incidence/treatment of PU.

PUBLICATIONS

Riccio J, Shapiro K, Dadiz R, for the Organization of Neonatal-Perinatal Medicine Training Program Directors (ONTPD). Aortic stenosis. National Neonatology Curriculum – Simulation 2020. [in press]

“Safe Sleep Initiative.” DutkoFioravanti I., Brown K., Shapiro K. PeriFacts, 2017

“Moving to a Single Patient Room Design: Are There Physical and Psychological Effects on the Neonatal Intensive Care Unit Staff?” Frank K., Driscoll C., Shapiro K., Donohue P. Journal of Pediatrics and Neonatal Care, 2016

“Apparent Diffusion Coefficient Scalars Correlate with Near-Infrared Spectroscopy Markers of Cerebrovascular Autoregulation in Neonates Cooled for Perinatal Hypoxic-Ischemic Injury.” Tekes A, et al. American Journal of Neuroradiology, 2014

MEMBERSHIPS/CERTIFICATIONS

Certified Healthcare Simulation Educator	2019 - 2025
Instructor Mentor – Neonatal Resuscitation Program	2011 - 2023
Sigma Theta Tau National Nursing Honor Society	2012 - 2022
Epsilon Xi Chapter Board Member: Clinical Liaison (2019-2021)	
International Nursing Association for Clinical Simulation and Learning	2016 - 2021