

CURRICULUM VITAE
Katherine M. Newnam, Ph.D., RN, CPNP,
NNP-BC

I. GENERAL INFORMATION

Work Address

Katherine Newnam, Ph.D., RN, CPNP,
 NNP-BC
 Assistant Professor
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 University of Tennessee, Knoxville
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II. EDUCATION

<u>Institution</u>	<u>Location</u>	<u>Degree</u>	<u>Year</u>	<u>Major/Specialty</u>
Virginia Commonwealth University	Richmond, VA	Doctor of Philosophy	2013	Nursing
East Carolina University	Greenville, NC	Post Masters Certificate	2005	Neonatal Nurse Practitioner
Old Dominion University	Norfolk, VA	Post Masters Certificate	1999	Pediatric Nurse Practitioner
Old Dominion University	Norfolk, VA	Master of Science	1990	Nursing Administration
Old Dominion University	Norfolk, VA.	Bachelor of Science	1983	Nursing

III. LICENSURE AND CERTIFICATION

- American Heart Association BLS (current)
- American Heart Association NRP (current)
- American Heart Association PALS (current)
- Registered Nurse, TN license
- Advanced Practice Nurse, TN license
- Advanced Practice Nurse, VA license
- License to Prescribe, VA license
- NCC Certification: Neonatal Nurse Practitioner
- PCNB Certification: Pediatric Nurse Practitioner
- IBCLE International Certification: Lactation Consultant
- Drug Enforcement Administration (DEA) License (active)

IV. PROFESSIONAL EXPERIENCE

<u>Institution</u>	<u>Location</u>	<u>Title</u>	<u>Date</u>
The University of Tennessee, College of Nursing	Knoxville, TN	Assistant Professor	2014-current
Children's Hospital of the King's Daughters	Norfolk, VA	Neonatal Nurse Practitioner	2007-current
Children's Hospital of the King's Daughters	Norfolk, VA	Staff Registered Nurse, Neonatal ICU	2005-2007
Renaissance Pediatrics, LLC	Chesapeake, VA	Primary Care, Pediatric Nurse Practitioner	2000-2005
Children's Hospital of the King's Daughters	Norfolk, VA	Hospital Lactation Consultant	2001-2005
Children's Hospital of the King's Daughters	Norfolk, VA	Staff Registered Nurse, Neonatal ICU	1996-2000
Children's Hospital of the King's Daughters	Norfolk, VA	Unit Director, Progressive Care Unit	1990-1996
Children's Hospital of the King's Daughters	Norfolk, VA	Assistant Unit Director, Neonatal ICU	1985-1990
Children's Hospital of the King's Daughters	Norfolk, VA	Staff Registered Nurse, Infants & Toddlers Unit	1983-1985

V. PUBLICATIONS

Peer-reviewed Publications

(**denotes databased)

Newnam, K.M. (2019). Oral colostrum care as a method to increase breastfeeding rates in the NICU. *Advances in Neonatal Care*. In production. **

Gephart, S.M. & **Newnam, K.M.** (2019). Closing the gap between recommended and actual human milk use during care of fragile infants- what will it take to overcome disparities? *Clinics in Perinatology*, 46: 39-50.

Newnam, K. M. & Bunch, M. (2017). Glucose Gel as a treatment strategy for transient neonatal hypoglycemia. *Advances in Neonatal Care*; 17 (6), 470-477.

Lindley, L. C. & **Newnam, K. M.** (2017). Hospice Use for Infants with Life-Threatening Health Conditions, 2007-2010. *Journal of Pediatric Health Care*, 31(1):96-103. **

Lozano, S. M. & **Newnam, K. M.** (2016). Modalities of Mechanical Ventilation; Volume-Targeted versus Pressure-Limited. *Advances in Neonatal Care*, 16 (2), 99-107.

Newnam, K. M. (2016). Surveillance and Isolation of Methicillin-Resistant Staphylococcus aureus Colonization in the Neonatal Intensive Care Unit. *Advances in Neonatal Care*, 16 (4), 298-307.

Newnam, K. M., McGrath, J.M., Jallo, N., Sayler, J., Estes, T, & Bass, W.T. (2015). Comparative Effectiveness Study of Continuous Positive Airway Pressure (CPAP) Related Skin Breakdown when using Different Nasal Interfaces in the Extremely Low Birth Weight (ELBW) Neonate. *Applied Nursing Research*, 28 (1), 36-41. **

Newnam, K.M. (2014). Oxygen Saturation Limits and Evidence Supporting the Targets. *Advances in Neonatal Care*, 14 (6), 403-409.

Newnam, K.M. (2014). The Right Tool at the Right Time; Examining the Evidence Surrounding Measurement of Neonatal Abstinence Syndrome (NAS). *Advances in Neonatal Care*, 14 (3), 181-186.

Newnam, K.M., Gephart, S.M. & Wright, L. (2013). Common Complications of Dysregulated Inflammation in the Neonate. *Newborn and Infant Nursing Reviews*, 13 (4), 154-160.

Diallo, A., **Newnam, K.M.** & McGrath, J.M. (2013). Helping Families Understand the Importance of Their Infant's Skin. *Family Dynamics Column; Newborn and Infant Nursing Reviews*, 13 (3), 106-109.

Newnam, K. M., McGrath, J.M., Jallo, N., Sayler, J., Estes, T, & Bass, W.T. (2013). An Integrative Review of Skin Breakdown in the Preterm Infant Associated with Nasal Positive Airway Pressure. *Journal of Obstetric, Gynecologic & Neonatal Nursing*, 42 (5), 508-516. **

Newnam, K.M. & Parrott, J. (2013). The NICU graduate; Implications for Pediatric Primary Care. *Newborn & Infant Nursing Reviews*, 13 (2), 94-100.

Newnam, K. M. & McGrath, J. M. (2011). Following the Diagnosis of Neonatal Hypoxic-Ischemic Encephalopathy: A Family-Centered Approach. *Family Dynamics Column; Newborn and Infant Nursing Reviews*, 11 (3), 98-101. **

Newnam, K. M. & Deloatch, D. L. (2011). Neonatal Hypothermia: A Method to Provide Neuroprotection after Hypoxic-Ischemic Encephalopathy. *Newborn and Infant Nursing Reviews*, 11 (3), 113-124. (My contribution was 70%).

Newnam, K. M. & McGrath, J. M. (2010). Families and the Sepsis Work-up: Considering their Fears. *Family Dynamics Column; Newborn and Infant Nursing Reviews*, 10 (4), 160-162.

Newnam, K. M. & McGrath, J. M. (2010). Understanding the Inflammatory Response of the Neonate: Clinical Implications for Caregivers in the Neonatal Intensive Care Unit. *Newborn and Infant Nursing Reviews*, 10 (4), 165-176.

Guest Editorial

(** denotes invited)

Newnam, K. M. (2016). Special Series: Respiratory Management. *Advances in Neonatal Care*, 16 (1), 15-16. **

Gephart, S.M. & **Newnam, K.M.** (2013). Inflammation and Immune issues in the Neonate. *Newborn and Infant Nursing Reviews*, 13 (4). (My contribution was 40%) **

Other Publications

Book Chapters

Newnam, K. M. (2016). Respiratory System, Chapter 1, in *Neonatal Nursing Care Handbook; an evidence-based approach to conditions and procedures*. C. Kenner & J. W. Lott (Eds.) New York: Springer Publishing (My contribution to this chapter was 100%)

Editorial Briefs

Newnam, K. M. (2018). The Upward Trend of Marijuana Use Among Pregnant Females; Car Beds May

Soon Be Gone Forever. Noteworthy Professional News, *Advances in Neonatal Care*, 18 (4), 246-248.

Newnam, K. M. (2018). Point-Of-Care Testing; Hot Off the Press: Hepatitis B Immunoprophylaxis Recommendations. Noteworthy Professional News, *Advances in Neonatal Care*, 18 (2), 84-85.

Newnam, K. M. (2017). Using Social Media And Technology To “Connect” With Parents In The NICU; Wireless Technology Moves Into The Incubator. Noteworthy Professional News, *Advances in Neonatal Care*, 17 (6), 426-422.

Newnam, K. M. (2017). There Is A New “Bug” In Town. Noteworthy Professional News, *Advances in Neonatal Care*, 17 (4), 233-234.

VI. GRANTS AND CONTRACTS

Internal

Neonatal exposure to environmental noise and directed language. The University of Tennessee Knoxville, College of Nursing, Faculty Rapid Cycle Research Award. **Newnam, K. M.** (PI). Grant period: January 15, 2019-June 30, 2020. Funded Amount: \$4996.00.

Non-invasive Respiratory Therapy and Neonatal Exposure to Sound (phase II). The University of Tennessee Knoxville, College of Nursing, Faculty Rapid Cycle Research Award. **Newnam, K. M.** (PI). Grant period: October 1, 2016-June 30, 2017. Funded Amount: \$10,000.

External

Purposeful communication to support cognitive development and language acquisition in the preterm infant. National Association of Neonatal Nurses (NANN) Small Grant. **Newnam, K. M.** (PI). Submitted, March 1, 2018. Not Funded.

The power of words; purposeful communication to support cognitive development and language acquisition in preterm infants. American Nurses Foundation (Stryker/ANF Grant). **Newnam, K. M.** (PI). Submitted, May 1, 2018. Not Funded.

Nurse Speak and the use of purposeful communication to support cognitive development and language acquisition in the preterm infant. American Nurses Foundation (SNRS/ANN/CANS/ANF Grant). **Newnam, K. M.** (PI). Submitted, May 1, 2018. Not Funded.

Feasibility and Acceptability of the NEC-Zero Toolkit and NeoECHO to Facilitate Best Practice to Prevent Necrotizing Enterocolitis (NEC). Laurence B. Emmons Research Grant, University of Arizona. Gephart, S.M., Shea, K. & **Newnam, K.M.** (Co-I). Submitted, June 2018. Funded, August 2018 \$20,000. (Directs only)

Directed Language as a Useful Predictor of Speech Processing Efficiency and Vocabulary Development in Preterm Infant. National Institutes of Health (NIH), Eunice Kennedy Shriver National Institute of Child Health and Human Development. **Newnam, K. M.** (PI) & Hay, J. S. (Co-I). R15, submitted October 25, 2018. Impact score 28; awaiting council decision.

mHealth for NICU Mothers’ Impact on Maternal and Infant Outcomes. National Institutes of Health (NIH), National Institute of Nursing Research. **Newnam, K. M.** (Multi-PI) & Gephart, S. M. (Multi-PI). R21, resubmission March 15, 2019.

VII. PRESENTATIONS

(**denotes invited)

National

Shay, K., Gephart, S.M. & **Newnam, K. M.** (April 2019). Project Echo within the Iparhis Implementation Science Framework in a Neonatal Context. Western Institute of Nursing's 52nd Annual Communicating Nursing Research Conference. San Diego, CA.

Newnam, K.M. (March, 2019). The Efficacy of Vapotherm or High Flow Nasal Cannula Compared to Nasal CPAP when Treating RDS in the Preterm Infant. The 14th Annual NANN Research Summit. Scottsdale, AZ.

Newnam, K.M. & Gephart, S.M. (April-May, 2018). Three part series on the neonate in Primary Care. Primary Care TeleECHO, University of New Mexico.

Newnam, K.M. (March, 2017). Non-Invasive Respiratory Therapy and Neonatal Exposure to Sound. The 12TH Annual NANN Research Summit. Scottsdale, AZ.

Newnam, K.M. (October, 2016). Respiratory: Modes of Ventilation. The 32nd Annual Educational Conference. Palm Springs, CA. **

Newnam, K.M. (September, 2016). Neonatal exposure to excessive noise related to non-invasive respiratory therapy. Council for the Advancement of Nursing Science (CANS). 2016 State of the Science Congress on Nursing Research. Washington, DC.

Newnam, K.M. (June, 2016). Non-Invasive Respiratory Management in the Delivery Room and Beyond. The 2016 AWHONN Convention, Grapevine, TX. **

Newnam, K.M. (June, 2016). The Good, Bad & Ugly of Pediatric Fever: A Case Study Approach. The AANP 2016 National Conference, San Antonio, TX. **

Newnam, K.M. (October, 2015). Non-invasive Respiratory Management of the Neonate. The 31st National Association of Neonatal Nurses (NANN) Annual Educational Conference, Dallas, TX. **

Newnam, K.M. (October, 2015). Enterovirus Infections of the Neonate. The 31st National Association of Neonatal Nurses (NANN) Annual Educational Conference, Dallas, TX.

Newnam, K.M. (March, 2015). NICU Care Transitions. National Association of Pediatric Nurse Practitioners (NAPNAP), 36th Annual Conference, Las Vegas, NV. **

Newnam, K.M. (September, 2014). The Relationship between neonatal Agitation Levels, Tolerance, and Nasal Skin Injury during Continuous Positive Airway Pressure (CPAP). State of the Science. Council of the Advancement of Nursing Science (CANS), 2014 SOS Congress-Nursing Research, Washington, DC.

Newnam, K.M. (February, 2014). Comparative Effectiveness Study of Continuous Positive Airway Pressure (CPAP) Related Skin Breakdown when using Different Nasal Interfaces in the Extremely Low Birth Weight (ELBW) Neonate. 28th Annual Conference of the Southern Nursing Research Society (SNRS), San Antonio, TX.

Newnam, K.M. (October, 2013). Can you see me now? Understanding retinopathy of prematurity (ROP). The 29th National Association of Neonatal Nurses (NANN) Annual Educational Conference, Nashville, TN.

Newnam, K.M. (October, 2013). Examining the impact of Enterovirus on the Neonate: A case study approach. 13th National Neonatal Nurses Conference (Academy of Neonatal Nurses), Las Vegas, NV.

Newnam, K.M. (April, 2013). The NICU Graduate: Implications for Primary Care. National Association

of Pediatric Nurse Practitioners (NAPNAP), 34th Annual Conference, Orlando, FL. **

Newnam, K.M. (April, 2013). Comparative Effectiveness Study of Continuous Positive Airway Pressure (CPAP) Related Skin Breakdown when using Different Nasal Interfaces in the Extremely Low Birth Weight (ELBW) Neonate. The 8th annual NANN Research Summit, Scottsdale, AZ.

Newnam, K.M. & DeLoatch, D. (October, 2012). Understanding the mystery of adrenal insufficiency in the preterm infant, 28th National Association of Neonatal Nurses (NANN) Annual Educational Conference, Palm Springs, CA, Podium Presentation.

Newnam, K.M. (October, 2012). Continuous Positive Airway Pressure (CPAP): What Do We Know in 2011? 28th National Association of Neonatal Nurses (NANN) Annual Educational Conference, Palm Springs, CA.

Newnam, K.M. (April, 2012). Sharing Science as a method to increase breastfeeding rates in the NICU. 7th annual NANN Research Summit, Scottsdale, AZ.

Newnam, K.M. (February, 2012). Strategies to Reduce Skin Injury related to Nasal Continuous Positive Airway Pressure (CPAP) in Preterm Infants; An Evidence-Based Practice Model. 26th Annual Conference of the Southern Nursing Research Society (SNRS).

Newnam, K.M. (September, 2011). Prevention of Skin Injury Related to Nasal Continuous Positive Airway Pressure (CPAP) in Preterm Infants. 27th National Association of Neonatal Nurses (NANN) Annual Educational Conference, Orlando, FL.

Newnam, K.M. (April, 2011). Prevention of Skin Injury related to Continuous Positive Airway Pressure (CPAP) in Preterm Infants. 6th Annual Research Summit of the National Association of Neonatal Nurses (NANN), Scottsdale, AZ.

Conference Abstracts

Newnam, K. M. (2019). The Efficacy of Vapotherm or High Flow Nasal Cannula Compared to Nasal CPAP when Treating RDS in the Preterm Infant *Advances in Neonatal Care*, 19(3), E3-E13.

Newnam, K. M. (2017). Non-Invasive Respiratory Therapy and Neonatal Exposure to Sound. *Advances in Neonatal Care*, 17(3), 13-20.

Newnam, K. M. (2014). The Relationship between Neonatal Agitation Levels, Tolerance, and Nasal Skin Injury during Continuous Positive Airway Pressure. *Advances in Neonatal Care*, 14 (3), 213-227.

Newnam, K.M. (2013). Continuous Positive Airway Pressure (CPAP) of the ELBW; Analysis of Skin Breakdown when Using Different Nasal Interfaces, *Advances in Neonatal Care*, 13 (3), 216-221.

Guest Lectures

Newnam, K.M. (September 2018, September 2017, September 2016, September 2015). *The NICU graduate and primary pediatric care; special challenges*. Presented to MSN students in the PNP concentration, University of Tennessee–Knoxville, College of Nursing, Knoxville, TN.

Newnam, K.M. (February 2017, February 2016, February 2015). *Introduction to newborn assessment; delivery room and beyond*. Presented to MSN students in the PNP concentration, University of Tennessee–Knoxville, College of Nursing, Knoxville, TN.

VIII. PROFESSIONAL APPOINTMENTS AND OFFICES

College Service

<u>Role- University of Tennessee-Knoxville</u>	<u>Dates</u>
Graduate Curriculum Committee (member)	2016-current
Graduate Advisory Committee (member)	2014-current
PhD Committee (member)	2014-current
Research Advisory Council (RAC) (member)	2016-current
Faculty Search Committee (member)	2015-2016
Ph.D. interview Committee (member)	2017
Faculty Affairs Committee	2014-2015

University Service

<u>Role-University of Tennessee-Knoxville</u>	<u>Dates</u>
Faculty Senate Representative, Teaching/Learning Committee (CON caucus chair)	August 1, 2018-present
Faculty Senate Representative, Teaching/Learning Committee	2016-current
Faculty Senate (Alternate Member)	2015-2016

Community Service

<u>Role</u>	<u>Dates</u>
Sprint for the Prints (participant)	2016

Professional Service

<u>Organization and Role</u>	<u>Dates</u>
Current member in the following professional societies: National Association of Pediatric and Neonatal Nurse Practitioners (NAPNAP)	2001-current
Academy of Neonatal Nursing (ANN)	2017-current
Southern Nursing Research Society (SNRS)	2010-current
Council for the Advancement of Nursing Science	2010-current
National Association of Neonatal Nurses (NANN)	2006-current
Association of Nurse Practitioners (AANP)	2015-current
Tennessee Nurses Association (TNA)	2018
American Nurses Association (ANA)	2018
Sigma Theta Tau International, Epsilon Chi Chapter, Gamma Chi Chapter	2018
	1999-current
Organization and Role	Dates
Editorial Board Member, <i>Advances in Neonatal Care</i> , Wolters Kluwer Co-Editors-in-Chief: Dr. Debra Brandon & Dr. Jacqueline McGrath	October 1, 2016-current
Section Editor: Noteworthy Professional News & Case Reports, <i>Advances in Neonatal Care</i> , Wolters Kluwer; Co-Editors-in-Chief: Dr. Debra Brandon & Dr. Jacqueline McGrath	October 1, 2016-2018
Evidence Based Practice Briefs, <i>Advances in Neonatal Care</i> , Wolters Kluwer; Co-Editors-in-Chief: Dr. Debra Brandon & Dr. Jacqueline McGrath	October 1, 2018-(current)
National Association of Neonatal Nurses (NANN) Research Committee	2013-2017
National Association of Neonatal Nurses (NANNP) Board Member	2014-2016
Journal Reviewer: Journal of Hospice and Palliative Care	2016-current
Applied Nursing Research	2016-current
Pediatrics	2014-current

Journal of Perinatal and Neonatal Nursing Advances in Neonatal Care	2014-current 2011-current
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IX. HONORS AND AWARDS

<u>Organization and Award or Honor</u>	<u>Dates</u>
Sigma Theta Tau Research Award-Gamma Chi Chapter	2018
Gaylord/Rodgers Pediatric Research Award	2017
Laura Barnes Research Award	2016
Phi Kappa Phi Honor Society	2013-present
The Borlick Dissertation Award, VCU School of Nursing	2013
SNRS Top Student Poster Award	2011
Helen Yura Graduate Award, ODU School of Nursing	1990

X. TEACHING HISTORY

	<u>Course #</u>	<u>Course Title</u>	<u>Semester & Year</u>
UTK University of Tennessee Knoxville, Tennessee	N504	Advanced Health Assessment and Diagnostic Reasoning (Course coordinator 2015-present) (onsite & on-line sections 2016-present)	Fall 2014, Fall 2015, Mini-May 2016, Fall 2016, Mini-May 2017, Fall 2017, Mini-May 2018, Fall 2018
	N608	Quantitative Nursing Research	Spring 2015
	N582	Scholarly Inquiry for Advanced Practice Nursing (Primary instructor Fall 2017)	Spring 2015, Summer 2015, Fall 2015, Spring 2016, Summer 2016, Fall 2016, Fall 2017, Spring 2018, Fall 2018, Fall 2019
	N622	Methods of Translational Research	Spring 2016
	N609	Research Practicum (Ph.D. student)	Fall 2017
	N593	Independent Study (Ph.D. student)	Fall 2016
	N603	Nursing Research and Inquiry	Spring 2017
	N501	Advanced Nursing Research (on-line section)	Spring 2018, Spring 2019

Graduate Dissertations

Mabry, J. (May, 2017). *The Effects of Motivational Interviewing on Heart Failure Self-Care during Transitional Care in an Appalachian Population*. **Newnam, K.M.**, UTK Dissertation Committee Member (Nursing).

Chase, S. (December, 2017). *Experiences of melanoma survivorship*. **Newnam, K.M.**, UTK Dissertation Committee Member (Nursing).

Dunlap, J. T. (August 2019). *CPAP Adherence: Leveraging Motivational Text Messages Based on the Theory of Planned Behavior to Influence Adherence*. **Newnam, K.M.**, UTK Dissertation Committee Member (Nursing).

Williams, M. L. *Self-Care in Persons with Stage 3 Heart Failure: An Educational Intervention*. **Newnam, K.M.**, UTK Dissertation Committee Member (Nursing). Current LOA.

Arcipowski, E. *Disaster preparedness in the pediatric emergency department*. **Newnam, K.M.**, UTK Dissertation Committee Member (Nursing). Data Collection.

Bunch, M. *Examine the risk factors associated with infant bed-sharing deaths through examination of infant deaths reported in the National Child Death Review (NCDR) Case Reporting System*. **Newnam, K.M.**, UTK Dissertation Committee Member (Nursing). Proposal development.

UTK MSN Comprehensive Exam Committee Member

Kristin Meyer, 2018
Brooke Griffith, 2018
Hailey Alley, 2018
Sarah Bateman, 2018
Sarah Scott, 2018
Avery Weida, 2018
2017 (9 students)
2016 (8 students)
2015 (4 students)

UTK Ph.D. Comprehensive Exam Committee Member

Marissa Bunch, Completed exam February, 2019
Erin Arcipowski, Completed exam (retake) January, 2018
Jennifer Mabry progressed to candidacy in August, 2016

UTK Ph.D. Preliminary Exam Committee Member

Nina Myer, July 2018
Lauren Oppizzi, July 2017
Susan Blaine, July 2017
Shade Adigun, August 2016