

Barbara Haase, PhD, MSN, APRN, CPNP, IBCLC

PhD-Prepared Advanced Practice Nurse
Certified Pediatric Clinical Nurse Specialist and Nurse Practitioner
International Board Certified Lactation Consultant

EDUCATION

DOCTORATE OF PHILOSOPHY OF NURSING SCIENCE (PhD)

University of Wisconsin-Milwaukee

Nursing PhD Program (May 2018)

Dissertation: *"Fat and Caloric Content of Breast Milk of Mothers of Premature Infants: Comparison of High vs Average to Low Volume Producers and Impact of Intervals Between Pumping Sessions"*

MASTER OF SCIENCE IN NURSING

University of Wisconsin-Madison

Madison, Wisconsin (May 1992)

Specialty Training: Pediatric Nurse Practitioner Program with emphasis on primary health care delivery of children, and Pediatric Clinical Nurse Specialist Program with focus on the care of chronically ill children.

Master's Thesis: *"A Qualitative Study of Mothers' First Feeding Experiences in the Neonatal Intensive Care Unit with Infants with Bronchopulmonary Dysplasia."*

BACHELOR OF SCIENCE IN NURSING (Magna cum Laude)

University of Wisconsin-Milwaukee

Milwaukee, Wisconsin, USA (1987)

CURRENT ACTIVE LICENSES

Nationally Certified Pediatric Nurse Practitioner (1992-present)

Internationally Certified Lactation Consultant (1999-present)

Advanced Practice Nursing License (WI and IL) (1992-2004)

Advanced Practice Nursing License 2103 (State of South Carolina, 2004-present)

PROFESSIONAL EXPERIENCE

ADVANCED PRACTICE LACTATION CONSULTANT

May 2004-present, 40 hours/week

Medical University of South Carolina (MUSC), Charleston, SC

- Assessment and management of lactation problems for postpartum, Levels 1-3 nurseries, and lactation outpatient clinic
- Responsible for development of lactation protocols, staff and physician education, as well as community and conference lectures
- Lecturer for the MUSC College of Medicine human lactation course, nursing high risk lactation program, neonatal dietician program and advanced neonatal nutrition course

- Active in multiple committees, including high risk lactation, discharge nutrition planning, multidisciplinary feeding team, and Best Fed Beginnings Project (which led to current Baby-Friendly designation) and MUSC Nutrition Management Center. Special interest in preterm infants and infants with complex medical needs
- Actively participates in research studies related to high risk lactation topics. Current research responsibilities include study of domperidone use for treatment of mothers with premature hospitalized infants, breast milk fat and calories study, and management of low breast milk supply in mothers of hospitalized infants

INDEPENDENT LACTATION CONSULTANT

September 2000-2004
Belgium, Europe

- Independent breastfeeding consultations, education, and support in home settings in Belgium, Europe
- Provided education and breastfeeding resources to professionals involved in the care of breastfeeding mothers
- Consultant lecturer for Belgian Department of Children's Public Health. Assisted first group of IBCLC candidates to take the first IBCLE examination offered in this country

PEDIATRIC NURSE PRACTITIONER, LACTATION CONSULTANT AND CLINICAL INSTRUCTOR

Jan. 1993-May 2000, 32-40 hours/week
University of Illinois at Chicago (UIC)
Chicago, Illinois

- Management of a 300+ pediatric practice serving their primary health care needs, including well child visits, routine sick visits (diagnosis and treatment of common illnesses), referrals to specialty physicians and case management of complex cases
- Breastfeeding consultation for the patient needs of physicians, residents, medical and nursing students, and nursing staff. Referral source for mothers with routine and complex breastfeeding problems
- Newborn nursery responsibilities included admission and discharge examinations of newborns, breastfeeding consultations, and training of nursing, midwifery, and medical students and nursing staff in physical assessment, medical management, and lactation of the newborn
- Clinical instructor duties included training of graduate and undergraduate nursing students, lecturing at the university on topics such as breastfeeding,

physical assessment, child development, and child abuse

- Member of the UIC multidisciplinary breastfeeding task force which developed policies, training programs, conferences, and educational materials for all breastfeeding related areas

RESEARCH TEAM LEADER

1990-1992

University of Wisconsin-Madison

Madison, Wisconsin, USA

Chief Investigator: Karen Pridham, RN, PhD.

- Collection and analysis of quantitative and qualitative research data for a large, longitudinal study looking at premature infant feeding experiences

PEDIATRIC HOME HEALTH CARE NURSE/EDUCATOR

New Horizons Home Health Care 1989-1992

- Case management and nursing care of chronically ill children and training of home health care nurses.
- Development of lectures and training videos for the care of medically complex children in the home setting.

PROGRAM COORDINATOR AND MEDICAL NURSING DIRECTOR

Holiday Home Camp

Lake Geneva, Wisconsin 1989-1991

- Direction and development of programs and nursing care for underprivileged children in a summer camp setting.
- Devised the camp's health policies and trained international nurses each summer session.
- Developed educational parenting and health programs for neglectful and abusive mothers, and adolescent mothers and their children.

PEDIATRIC NURSE

Children's Hospital of Wisconsin

Milwaukee, Wisconsin 1987-1989

- Nursing care of acute and chronically ill children with emphasis on the care and education of children and their families experiencing metabolic diseases and renal failure and renal transplant

AWARDS AND HONORS

- **University of Wisconsin-Milwaukee Chancellor's Award** (2013-2016)

- **University of Wisconsin-Milwaukee College of Nursing Dean's Scholarship: PhD Program** (2013-2016)
- **South Carolina Palmetto Gold Nursing Award** (2013): Selected as one of top 100 nurses in South Carolina for nursing excellence for promoting and advancing nursing care of mothers and infants
- **University of Wisconsin-Madison School of Nursing Graduate Fellowship for Full Time Study** (1990-1992)
- **University of Wisconsin School of Nursing Fellowship for Graduate Study of Rural and Native American Health**
- AHEC PROJECT/Ashland, Wisconsin (1992)
- Doctorate of Philosophy of Nursing Science (2018): Cumulative GPA 3.98
- Master of Science in Nursing, University of Wisconsin-Madison, High Academic Honors
- Bachelor of Science in Nursing, University of Wisconsin-Milwaukee, Magna cum Laude

PEER-REVIEWED PUBLICATIONS

- Haase, B.,** Barreira, J., Murphy, P., Mueller, M. & Rhodes, J. (2009). The development of an accurate test weighing technique for preterm and high-risk hospitalized infants. *Journal of Breastfeeding Medicine*, 4(3), 151-156.
- Haase, B.,** Taylor, S.N., Mauldin, J., Johnson, T. & Wagner, C.L. (2016). Domperidone for treatment of low milk supply in breast pump-dependent mothers of hospitalized premature infants. *Journal of Human Lactation*. 32(2), 373-381
- Haase, B.,** Johnson, T.S & Wagner, C.L. (2018). Facilitating colostrum collection by hospitalized women in the early postpartum period for infant trophic feeding and oral immune therapy. *JOGGN*, 47, 654-660. <https://doi.org/10.1016/j.jogn.2018.05.003>.
- Haase, B.,** Brennan, E. & Wagner, C.L. (2019). Efficacy of the International Board Certified Lactation Consultant (IBCLC): Have we made an impact on breastfeeding families in the last decade? *Journal of Human Lactation*, August Special Issue: State of the Science, 35(3), 441-452.
- Wagner, C.L, Taylor, S.N. & **Haase, B.** (2019). Designing longitudinal clinical studies involving lactating women. *Journal of Human Lactation*, 35(1), 32-36. doi:10.1777/0890334418812362.

ABSTRACT PRESENTATIONS

Haase, B., Taylor, S.N & Johnson, T.S. (2018). Fat and caloric content of breast milk of hospitalized premature infants: comparison of high vs. average to low volume producers, the impact of volume in the breast at single pumping sessions and the interval between pumping sessions. *Journal of Breastfeeding Medicine: Abstracts of the Academy of Breastfeeding Medicine Conference*, San Francisco, CA. doi: 10.10891/bfm.2018.29106.abstracts.

Haase, B., Taylor, S.N, Morella, K., Johnson, T. & Wagner, C.L. (2016) Abstract P-11: Domperidone for the treatment of low milk supply in mothers of hospitalized premature infants: a multidisciplinary development of safe prescribing practices and a retrospective chart review (2010-2014) of maternal response to treatment. *Journal of Breastfeeding Medicine*, Abstracts of the International Society of Researchers of Human Milk and Lactation, Stellenbosch, South Africa. Also presented at the MUSC Women's Health Research Conference (2017)

Taylor, S., Finch, C., **Haase, B.,** Barreira, J. & Annibale, D. (2013). Are very low birth weight infants able to avoid growth failure with predominantly human milk feedings? Annual International Meeting of the Academy of Breastfeeding Medicine, 2013.

Wagner, C.L., Murphy, P.K., **Haase, B.** & Barreira, J. Domperidone in the treatment of low milk supply in mothers of critically ill infants. Annual International Meeting of the Academy of Breastfeeding Medicine, 2011.

Taylor, S., Barreira, J., **Haase, B.,** Murphy, P., Mauldin, J., Browning, D., Hulsey, T., Ebeling, M. & Wagner, C.L. Multidisciplinary improvement of hospital lactation support process: impact on mother's milk delivery to infants. Annual International Meeting of the Academy of Breastfeeding Medicine, 2011

White, K., West, D., Sharpe, M., Murphy, P, **Haase, B.,** Barreira, J. BRAVO! Breastfeeding: An education performance, Medical University of South Carolina, Vermont Oxford Fall Conference, 2008.

LECTURES, EDUCATION PROGRAMS AND PROJECTS

LOCAL AND INTERNATIONAL INVITED SPEAKING ENGAGEMENTS AND PROJECTS, 2000-present:

- **EVIDENCE-BASED PRACTICES FOR THE SUPPORT OF BREASTFEEDING OF PREMATURE AND MEDICALLY COMPLEX INFANTS**, MUSC, 2019
- **MANAGEMENT OF COMMON LACTATION PROBLEMS IN THE OB OUTPATIENT SETTING**, MUSC OB Grand Rounds Presentation, February 2017

- **TREATMENT OF LOW MILK SUPPLY IN MOTHERS OF PREMATURE INFANTS: BENEFITS/RISKS OF DOMPERIDONE AND SAFE PRESCRIBING PRACTICES**, October 6, 2016. Department of MUSC OB/GYN, Grand Rounds Presentation
- **HINDMILK INTERVENTION IN THE HIGH RISK NURSERY: OPTIMIZING WEIGHT GAIN OF AT RISK INFANTS**: delivered at “The Lactation Conference”, April and September, 2012
- **LACTATION SUPPORT OF A DIABETIC MOTHER**, MUSC Perinatal Update, 2011 (also delivered as a webinar in February 2012 for the International Lactation Consultant Association)
- **SUPPORTING BREASTFEEDING IN THE HIGH RISK NURSERY**: Neonatal Nutrition Conference, University of Minneapolis Children’s Hospital (October 2008)
- **TRANSITIONING PRETERM INFANTS TO THE BREAST AND CUE BASED FEEDINGS**: University of Minnesota Neonatal Nutrition Conference (October 2008)
- **IMPLEMENTATION OF EVIDENCE-BASED BREASTFEEDING PRACTICES FOR HOSPITALIZED INFANTS IN A HIGH RISK NURSERY: A MULTIDISCIPLINARY TEAM APPROACH**, 2006-2007, presented at the ILCA conference 2007 and the Wolf and Glass Sucking and Swallowing Disorders Conference, Columbia, SC. **This lecture was elected by ILCA to be a CEU module.**
- **BREASTFEEDING TEAM LEADER PROGRAM (2004-2008) (MUSC)**: development and implementation of an in-depth training program for bedside nursing leaders in evidence based breastfeeding practices for high risk nurseries
- **RESIDENT PHYSICIAN TRAINING PROGRAM (MUSC)**: development of lectures for resident physicians in breastfeeding practices including anatomy/physiology and management of breastfeeding problems
- **BREASTFEEDING IN HIGH RISK NURSERIES**, member of expert panel discussion with Paula Meier, PhD at SC Breastfeeding Coalition Conference 2005
- **INTERNATIONAL EVIDENCE BASED GUIDELINES FOR THE MANAGEMENT OF BREASTFEEDING IN THE FIRST 14 DAYS**: presented at three Belgian Child and Family Health (Kind en Gezin) conferences (2000-2004)

PROJECT LEADER:

- **HINDMILK INTERVENTION PROJECT:** included comprehensive review of literature, development of protocol for high risk infants with inadequate growth, and presentation to MUSC Evidence and Values Committee, and staff education (2006-2019)
- **MUSC BRAVO BREASTFEEDING COURSE:** Developed and implemented large scale breastfeeding education program for perinatal nursing division in consort with MUSC Nursing Education team (4 hour course with one hour didactic demonstration module) (2009-present)
- **HIGH RISK LACTATION (BRAVO) COURSE:** Developed and implemented a lactation education program for all high risk neonatal nurses at MUSC (7 hour course) (2011-2015)
- **TRANSITIONING THE PRETERM INFANT TO THE BREAST PROTOCOL-**comprehensive review of literature, development of protocol, and implementation and education for high risk nurseries at MUSC (2004-present)
- **DEVELOPMENT OF ACCURATE TEST WEIGHT METHOD FOR HIGH RISK BREASTFED INFANTS WITH LEADS** –written and developed this instructional video based upon our 2009 research results on test weights for hospitalized high risk breastfeeding infants (Video available in ILCA Bookstore and on the MUSC Intranet for staff education) (2007-2019)
- **LACTATION POSITION STATEMENT AND MANAGEMENT OF CLEFT LIP AND CLEFT LIP AND PALATE INFANTS-** developed with MUSC Department of Speech and Language Pathology, presented to MUSC pediatric attending physicians, neonatologists and nursing staff (2007-2017)

University of Illinois at Chicago (UIC), Chicago, Illinois (1992-2000)

LECTURES GIVEN FOR MASTERS AND BACHELORS NURSING STUDENTS AT UIC

- **CHILD ABUSE: An Overview:** Comprehensive lecture covering the identification and treatment of victims of child abuse
- **BREASTFEEDING MANAGEMENT IN THE POST PARTUM PATIENT:** Included a variety of lectures on assessment, practice, and pumping and storage
- **NEONATAL PHYSICAL ASSESSMENT:** Comprehensive overview of physical assessment of the term newborn
- **PEDIATRIC PHYSICAL ASSESSMENT:** Overview of the examination of the pediatric patient

HOSPITAL AND CLINIC BASED EDUCATION:

- **BREASTFEEDING ASSESSMENT, MANAGEMENT, PUMPING AND STORAGE:** Ongoing education of nursing and medical staff, as well as university students
- **NEONATAL PHYSICAL ASSESSMENT AND WELL BABY MANAGEMENT:** Education of midwifery, medical, and advanced practice nursing students in the examination and management of the newborn, including medical management of neonatal jaundice, hypoglycemia, and referrals to specialist physicians.
- **CLINICAL NURSING INSTRUCTOR: ADVANCED PRACTICE NURSING EDUCATOR:** Preceptor and mentor to advanced nursing students in the newborn nursing and pediatric clinical settings. Included all aspects of clinical education

COMMUNITY BASED LECTURES

- **GROWTH AND DEVELOPMENT OF THE INFANT AND TODDLER:** Lecture prepared and given to public health workers in Chicago. Audience included public health nurses and aides, social workers, and case managers
- **BREASTFEEDING: ASSESSMENT OF APPROPRIATE FEEDING and BREASTFEEDING AND THE WORKING MOTHER:** These workshops were prepared and given at the UIC Annual Breastfeeding Conference for nurses, physicians, and students.
- **CARE OF THE INFANT WITH A BLIND PARENT:** Developed in consort with blind parents of infants for the Chicago Center for the Blind

HOME HEALTH CARE BASED EDUCATION/LECTURES (1989-1992)

- **CARE OF THE CHRONICALLY ILL HOME CARE PATIENT:** Development of workshops and a video for care of the medically complex pediatric patient. This included training of pediatric home care nurses

UNIVERSITY OF WISCONSIN-MADISON SCHOOL OF NURSING, MADISON, WISCONSIN (1990-1992)

- **QUALITATIVE AND QUANTITATIVE DATA COLLECTION:** Training of staff members in research data collection for a large, longitudinal neonatal research study

WOMEN, INFANTS AND CHILDREN NUTRITION PROJECT (WIC), (THE US NATIONAL PUBLIC MATERNAL/CHILD SUPPLEMENTAL NUTRITION PROGRAM), MILWAUKEE, WISCONSIN (1988-1990)

- **INFANT AND CHILDHOOD NUTRITION EDUCATION:**

Development of education related to the feeding and nutrition of infants and children for a large minority impoverished population. Also included development of written educational materials

- **COORDINATOR OF WIC BREASTFEEDING PROMOTION PROGRAM:** Coordination of verbal and written materials promoting breastfeeding in the WIC project. Included training of mother breastfeeding supporters and WIC staff members.
- **PRENATAL EDUCATION COORDINATOR:** Developed the project's prenatal verbal and written education, including prenatal nutrition and health and preparation for childbirth.
- **PARENTING CHILDREN FROM INFANCY TO AGE 5:** Staff and parent training of parenting and discipline in young children. Included principles of positive reinforcement, alternatives to physical punishment, time-ins and time-outs, and daily reading with children

HOLIDAY HOME CAMP (CHILDREN'S CAMP SPECIALIZING IN THE MINORITY UNDERPRIVILEGED POPULATION OF CHICAGO, IL), LAKE GENEVA, WISCONSIN (1988-1992)

- **ADOLESCENT MOTHERS EDUCATION COORDINATOR:** Development of a 6 day program for adolescent mothers and their children, including nutrition, growth and development and parenting education
- **ABUSIVE MOTHERS PROGRAM EDUCATION COORDINATOR** Development of educational materials and workshops for mothers who were re-establishing custody of their children after child abuse or neglect. Education program included understanding of growth and development of children and parenting principles. Also included education of staff members as mentors to mothers.

CHILDREN'S HOSPITAL OF WISCONSIN, MILWAUKEE, WISCONSIN (1987-1989)

- **PEDIATRIC JUVENILE DIABETES EDUCATOR:** Education of staff members, children and families affected by Type 1 diabetes. Included management of the disease, nutrition, and insulin administration
- **PEDIATRIC TRANSPLANT EDUCATOR:** Education of staff members and parents and families with renal or liver transplants. Included pre- and post-operative care, administration of medications, and signs and symptoms of transplant rejection

MEMBERSHIPS

National Association of Pediatric Nurse Practitioners and Nurse Associates (1992-present)

European Board of Internationally Certified Lactation Consultants (2000-2004)

South Carolina Breastfeeding Coalition (2004-present)