

## CURRICULUM VITAE

**NAME:** Janet L. Engstrom

**EMAIL:** [Janet.Engstrom@frontier.edu](mailto:Janet.Engstrom@frontier.edu)

### **LICENSURES and CERTIFICATIONS**

#### **Professional Licensure**

Registered Nurse, Illinois, 1975-present

Advanced Practice Registered Nurse, Illinois, 2001-present

#### **Professional Certification**

Certified Nurse-Midwife, 1980-present

Women's Health Care Nurse Practitioner, 2006-present

Certified Nurse Educator, 2016-present

Online Teaching Certificate, 2017-present

### **EDUCATION**

<u>Institution and Location</u>	<u>Degree</u>	<u>Dates</u>	<u>Major</u>
University of Illinois at Chicago	Certificate	2005	Women's Health Care Nurse Practitioner
University of Illinois at Chicago	Ph.D.	1985	Nursing Sciences
University of Illinois at Chicago	M.S.	1981	Nurses Sciences Nurse-Midwifery
DePaul University	B.S.	1978	Nursing
Evangelical School of Nursing	Diploma	1975	Nursing

**ACADEMIC EMPLOYMENT and APPOINTMENTS**

<u>Institution</u>	<u>Rank or Title</u>	<u>Dates</u>
Frontier Nursing University Versailles, KY	Faculty Tutor Course Faculty	2018-present
Rush University Department of Women, Children, and Family Nursing Chicago, IL	Professor	2015-2018
Rush University Department of Women, Children, and Family Nursing Chicago, IL	Professor and Acting Chairperson	2014-2015
Frontier Nursing University Hyden, KY	Associate Dean for Research	2010-2013
Rush University Department of Women, Children, and Family Nursing Chicago, IL	Researcher (part-time)	2010-2013
Rush University Department of Women, Children, and Family Nursing Chicago, IL	Professor and Chairperson	2007-2010
Rush University Department of Women, Children, and Family Nursing Chicago, IL	Professor and Acting Chairperson	2006-2007
Rush University Department of Women, Children, and Family Nursing Chicago, IL	Professor and Associate Chairperson	2005-2006
University of Illinois at Chicago Department of Maternal-Child Nursing College of Nursing Chicago, IL	Adjunct Faculty	2005-present

<u>Institution</u>	<u>Rank or Title</u>	<u>Dates</u>
Rush University College of Nursing Chicago, IL	Complemental Faculty	2003-2005
University of Illinois at Chicago Nurse-Midwifery and Women's Health Care Nurse Practitioner Programs Chicago, IL	Program Director	1998-2005
University of Illinois at Chicago Department of Maternal-Child Nursing Chicago, IL	Associate Professor with tenure	1996-2005
University of Illinois at Chicago Department of Maternal-Child Nursing Chicago, IL	Assistant Professor	1991-1996
University of Wisconsin School of Nursing Madison, WI	Visiting Professor (part-time)	1990-1991
University of Illinois at Chicago Department of Maternal-Child Nursing Chicago, IL	Assistant Professor (part-time)	1989-1991
University of Illinois at Chicago Department of Maternal-Child Nursing Chicago, IL	Assistant Professor	1985-1989
University of Illinois at Chicago Department of Maternal-Child Nursing Chicago, IL	Lecturer and Visiting Instructor	1981-1985

**OTHER EMPLOYMENT**

<u>Institution</u>	<u>Rank or Title</u>	<u>Dates</u>
Michael Reese Hospital Center for Assisted Reproductive Technology Chicago, IL	Nurse-Coordinator	1989-1991
St. Anne's Hospital Postpartum/Gynecology Chicago, IL	Registered Nurse	1981
Rockford Memorial Hospital Primary Prevention Program Rockford, IL	Certified Nurse- Midwife	1979-1981
Rush-Presbyterian-St. Luke's Hospital High Risk Antepartum Unit Chicago, IL	Registered Nurse	1978
Mercy Hospital Labor and Delivery Chicago, IL	Registered Nurse	1975-1978

**HONORS, AWARDS AND HONOR SOCIETY MEMBERSHIPS**

<u>Date</u>	<u>Award or Honor</u>
2019	Teaching Excellence, Students' Choice Award, Frontier Nursing University
2019	Professor Emeritus, Rush University
2016	Excellence in Education Award, Rush University
2016	Most Valuable Player, Dean's Award, Rush University College of Nursing
2015	Identified as one of the seminal midwifery researchers in the United States by the <i>Journal of Midwifery &amp; Women's Health</i>
2015	Best Book of the Year award from the American College of Nurse-Midwives for <i>Prenatal and Postnatal Care: A Woman Centered Approach</i>
2013	Distinguished Service Award, American College of Nurse-Midwives
2012	Distinguished Nurse Alumna, University of Illinois at Chicago
2007	Jonas Salk Health Leadership Award for Nursing, Chicago Area March of Dimes Foundation
2006-2008	Appointed to the United States Breastfeeding Committee to represent the American College of Nurse-Midwives
2006	Team of the Quarter, Lactation Services and Research Team, Rush University Medical Center
2004	Who's Who Among America's Teachers
2003	Who's Who in Health Sciences Education
2002	Excellence in Teaching Award, American College of Nurse-Midwives Foundation
2002	Award for Graduate Faculty Excellence, Graduate Student Organization, College of Nursing, University of Illinois at Chicago
2001	Excellence in Teaching Award, American College of Nurse-Midwives Foundation
2001	Teaching Recognition Program Award, University of Illinois at Chicago
2001	Fellowship in the American College of Nurse-Midwives
2000	Excellence in Teaching Award, American College of Nurse-Midwives Foundation

1998	Who's Who Among America's Teachers
1997	Award for Graduate Faculty Excellence, Graduate Student Organization, College of Nursing, University of Illinois at Chicago
1996	Award for Graduate Faculty Excellence, Graduate Student Organization, College of Nursing, University of Illinois at Chicago
1995	Silver Circle Award for Teaching Excellence University of Illinois at Chicago, Undergraduate Students, College of Nursing, University of Illinois at Chicago
1995	Golden Apple Award for Teaching Excellence, Undergraduate Students, College of Nursing, University of Illinois at Chicago
1993	University of Illinois at Chicago, College of Nursing, Award for Graduate Faculty Excellence, Graduate Student Organization
1991	Outstanding Young Women of America
1990-1991	Who's Who in American Nursing
1988-1989	Who's Who in American Nursing
1985	Phi Kappa Phi
1984-1985	National Research Service Award, Pre-doctoral Fellowship (Priority Score = 100)
1984	Who's Who Among Students in American Universities and Colleges
1983	Sigma Theta Tau
1983	Sigma Xi
1978	Magna Cum Laude, DePaul University
1975	Class Salutatorian, Evangelical School of Nursing
1972	Who's Who in Outstanding American High School Students

## PUBLICATIONS

### Articles in Refereed Journals

*Papers in peer reviewed journals* = 86

*h-index: Google Scholar* = 34

*i10-index: Google Scholar* = 73

*Total citations: Google Scholar* = 3,899

*Papers with  $\geq 100$  citations* = 9

*Publications with students and former students (student names in italics)* = 60

Rossman, B., Asiodu, I., Hoban, R., Patel, A. L., Engstrom, J. L., Medina-Poeliniz, C., & Meier, P. P. (2019). Priorities for contraception and lactation among breast pump-dependent mothers of premature infants in the NICU. *Breastfeeding Medicine*. Published online ahead of print: <https://doi.org/10.1089/bfm.2019.0007>

Patel, A. L., Schoeny, M., Hoban, R., Johnson, T. J., Bigger, H. R., Engstrom, J. L., Fleurant, E., Riley, B. N., & Meier, P. (2019). Mediators of racial and ethnic disparity in mother's own milk feeding in very low birth weight infants. *Pediatric Research*, 85, 662-670. doi: 10.1038/s41390-019-0290-2

Hoban, R., Bigger, H., Schoeny, M., Engstrom, J., & Meier, P. & Patel, A. L. (2018). Milk volume at 2 weeks predicts mother's own milk feeding at Neonatal Intensive Care Unit discharge for very low birthweight infants. *Breastfeeding Medicine*, 13, 135-141. doi: 10.1089/bfm.2017.0159

Patel, A. L., Johnson, T. J., Robin, B., Bigger, H. R., Buchanan, A., Christian, E., Nandhan, V., Shroff, A., Schoeny, M., Engstrom, J. L., & Meier, P. P. (2017). Influence of own mother's milk on bronchopulmonary dysplasia and costs. *Archives of Disease in Childhood, Fetal Neonatal Edition*, 102(3), F256-61. doi: 10.1136/archdischild-2016-310898

Meier, P. P., Patel, A. L., Hoban, R., & Engstrom, J. L. (2016). Which breast pump for which mother: an evidence based approach to individualizing breast pump technology. *Journal of Perinatology*, 36, 493-9.

Esquerra-Zweirs, A., Rossman, B., Meier, P., Engstrom, J., Janes, J., & Patel, A. (2016). "It's somebody else's milk": Unraveling the tension in mothers of preterm infants who provide consent for pasteurized donor human milk. *Journal of Human Lactation*, 32, 95-102. **Republished in the Journal of Human Lactation's special issue on Human Milk Feeding in the NICU.**

Fiedler, R., Degenhardt, M., & Engstrom, J. L. (2015). Systematic preparation for teaching in a nursing Doctor of Philosophy program. *Journal of Professional Nursing*, 31, 305-310.

Gabzdyl, E., Engstrom, J. L., & McFarlin, B. L. (2015). Health care workers' beliefs and practices around pap screening for adolescents seeking contraception. *Nursing for Women's Health*, 19, 216-223.

- Johnson, T. J., Patel, A. L., Bigger, H. R., Engstrom, J. L., & Meier, P. P. (2015). Cost savings of human milk as a strategy to reduce the incidence of necrotizing enterocolitis in very low birth weight infants. *Neonatology*, 107, 271-276.
- Sanguanklin, N., McFarlin, B. L., Finnegan, L., Park, C. G., Giurgescu, C., White-Traut, R., & Engstrom, J. L. (2014). Job strain and psychological distress among employed pregnant Thai women: role of social support and coping strategies. *Archives of Women's Mental Health*, 17, 317-326.
- Sanguanklin, N., McFarlin, B. L., Park, C. G., Giurgescu, C., Finnegan, L., White-Traut, R., & Engstrom, J. L. (2014). Effects of the 2011 flood in Thailand on birth outcomes and perceived social support. *JOGN Nursing*, 43, 435-444.
- Bigger, H. R., Fogg, L. J., Patel, A. L., Johnson, T., Engstrom, J. L., & Meier, P. P. (2014). Quality indicators for human milk use in very low-birthweight infants: are we measuring what we should be measuring? *Journal of Perinatology*, 34, 287-291.
- Johnson, T. J., Patel, A. L., Bigger, H. R., Engstrom, J. L., & Meier, P. P. (2014). Economic benefits and costs of human milk feeding: a strategy to reduce the risk of prematurity-related morbidities in very low birth weight infants. *Advances in Nutrition*, 5, 207-212.
- Jegier, B. J., Johnson, T. J., Engstrom, J. L., Patel, A. L., Loera, F., & Meier, P. (2013). The institutional cost of acquiring 100 mL of human milk for very low birth weight infants in the Neonatal Intensive Care Unit. *Journal of Human Lactation*, 29, 390-399.
- Meier, P., Patel, A. L., Wright, K., & Engstrom, J. L. (2013). Management of breastfeeding during and after the maternity hospitalization. *Clinics in Perinatology*, 40, 689-705.
- Rossman, B., Kratovil, A. L., Greene, M. M., Engstrom, J. L., & Meier, P. P. (2013). "I have faith in my milk": The meaning of milk for mothers of very low birth weight infants hospitalized in the Neonatal Intensive Care Unit. *Journal of Human Lactation*, 29, 359-365.
- Meier, P. P., Engstrom, J. L., & Rossman, B. (2013). Breastfeeding peer counselors as direct lactation care providers in the Neonatal Intensive Care Unit. *Journal of Human Lactation*, 29, 313-322.
- Patel, A. L., Johnson, T. J., Engstrom, J. L., Fogg, L. F., Jegier, B. J., Bigger, H. R., & Meier, P. P. (2013). Impact of early human milk on sepsis and health-care costs in very low birth weight infants. *Journal of Perinatology*, 33, 514-519.
- Paul, J., Jordan, R., Duty, S. & Engstrom, J. L. (2013). Improving satisfaction with care and reducing length of stay in an Obstetric triage unit using a nurse-midwife managed model of care. *Journal of Midwifery & Women's Health*, 58, 175-181.
- Johnson, T. J., Patel, A. L., Jegier, B. J., Engstrom, J. L., & Meier, P. P. (2013). Cost of morbidities in very low birth weight infants. *Journal of Pediatrics*, 162, 243-249.



- Meier, P. P., Patel, A. L., Bigger, H. R., Rossman, B., & Engstrom, J. L. (2013). Supporting breastfeeding in the Neonatal Intensive Care Unit: Rush Mother's Milk Club as a case study of evidence-based practice. *Pediatric Clinics of North America*, 60, 209-226.
- Rossman, B., Engstrom, J. L., & Meier, P. P. (2012). Healthcare providers' perceptions of breastfeeding peer counselors in the Neonatal Intensive Care Unit. *Research in Nursing & Health*, 35, 460-474.
- Meier, P. P., Engstrom, J. L., Janes, J., Jegier, B. J., & Loera, F. (2012). Breast pump suction patterns that mimic the human infant during breastfeeding: greater milk output in less time spent pumping for breast pump-dependent mothers with premature infants. *Journal of Perinatology*, 32, 103-110.
- Andrighetti, T. P., Knestruck, J. M., Marowitz, A., Martin, C., & Engstrom, J. L. (2012). Shoulder dystocia and postpartum hemorrhage simulations: student confidence in managing these complications. *Journal of Midwifery & Women's Health*, 57, 55-60.
- Rodríguez, N. A., Groer, M. W., Zeller, J. M., Engstrom, J. L., Du, H., & Caplan, M. A. (2011). A randomized clinical trial of the oropharyngeal administration of mother's colostrum to extremely low-birth-weight infants in the first days of life. *Neonatal Intensive Care*, 24(4), 31-35.
- Rossman, B., Engstrom, J. L., Meier, P. P., Vonderheid, S. C., Norr, K. F., & Hill, P. D. (2011). "They've walked in my shoes": Mothers of very low birth weight infants and their experiences with breastfeeding peer counselors in the Neonatal Intensive Care Unit. *Journal of Human Lactation*, 27, 14-24. **Voted "Best Article for 2011" by the Journal of Human Lactation.**
- Rodríguez, N. A., Meier, P. P., Groer, M. W., Zeller, J. M., Engstrom, J. L., & Fogg, L. (2010). A pilot study to determine the safety and feasibility of oropharyngeal administration of own mother's colostrum to extremely low-birth-weight infants. *Advances in Neonatal Care*, 10, 206-212.
- Jegier, B. J., Meier, P. P., Engstrom, J. L., & O'Brien, T. (2010). The cost of providing 100 mL of human milk in the NICU. *Breastfeeding Medicine*, 5, 71-77.
- Meier, P. P., & Engstrom, J. L. (2010). Preventing, diagnosing, and managing slow weight gain in the human milk-fed very low birthweight infant. In R. Davanzo (Ed.). *Nutrition with Human Milk: Research and Practice* (pp. 45-58). Trieste, Italy: Graphart, Sandorligo Della Valle.
- Meier, P. P., Engstrom, J. L., Patel, A. L., Jegier, B. J. & Bruns, N. E. (2010). Improving the use of human milk during and after the NICU stay. *Clinics in Perinatology*, 37, 217-245.
- Engstrom, J. L. (2009). "Not my child": Parental Refusal of vaccinations for children. *Journal of Midwifery & Women's Health*, 54, 82-84.

- Patel, A., Engstrom, J. L., Meier, P. P., Jegier, B. J., & Kimura, R. E. (2009). Calculating postnatal growth velocity in very low birth weight (VLBW) premature infants. *Journal of Perinatology*, 29, 618-622. [PMCID: PMC2767524]
- Meier, P. P., Engstrom, J. L., Hurst N. M., Ackerman, B. Allen, M., Motykowski, J. E., Zuleger, J. L., & Jegier, B. J. (2008). A comparison of the efficiency, effectiveness, comfort and convenience of two hospital-grade electric breast pumps for mother of very low birthweight infants. *Breastfeeding Medicine*, 3, 141-150.
- Engstrom, J. L., Meier, P. P., Jegier, B. J., Motykowski, J. E., & Zuelger, J. L. (2007). Comparison of milk output from the right and left breasts during simultaneous pumping in mothers of very low birthweight infants. *Breastfeeding Medicine*, 2, 83-91.
- Engstrom, J. L., & Hunter, R. G. (2007). Teaching reproductive options through the use of fiction: The Cider House Rules Project. *JOGN Nursing*, 36, 464-70.
- Meier, P. P., & Engstrom, J. L. (2007). Evidence-based practices to promote exclusive feeding of human milk in very low-birthweight preterm infants. *NeoReviews*, 8, e459-466.
- Patel, A. L., Meier, P. P., & Engstrom, J. L. (2007). The evidence for use of human milk in very low-birthweight preterm infants. *NeoReviews*. 8, e459-466.
- Johnson, T. J., Hillery, J. M., & Engstrom, J. L. (2006). Small- and large-for-gestational age: Does this determine an infant's risk for hypoglycemia. *Journal of Midwifery & Women's Health*, 51, 39-44.
- Meier, P. P., Engstrom, J. L., Zuleger, J. L., Motykowski, J. E., Vasan, U., Meier, W. A., Hartmann, P. E., & Williams, T. M. (2006). Accuracy of a user-friendly centrifuge for measuring creatinocrits on mothers' milk in the clinical setting. *Breastfeeding Medicine*, 1, 79-87.
- Ball, J. R., Van Riper, M., Engstrom, J. L., & Matheson, J. K. (2005). Incidental findings of ultrasound markers for Down syndrome in the second trimester of pregnancy: A case study. *Journal of Midwifery & Women's Health*, 50, 243-245.
- Engstrom, J. L., Sefton, M. G. S., Matheson, J. K., & Healy, K. M. (2005). Genetic competencies essential for health care professionals in primary care. *Journal of Midwifery & Women's Health*, 50, 177-183.
- Patel, A., Engstrom, J. L., Meier, P. P., & Kimura, R. E. (2005). Accuracy of methods for calculating postnatal growth velocity in extremely low birth weight infants. *Pediatrics*, 116, 1466-1473.
- Hurst, N. M., Meier, P. P., Engstrom, J. L., & Myatt, A. (2004). Mothers performing in-home measurement of milk intake during breastfeeding for their preterm infants: Maternal reactions and feeding outcomes. *Journal of Human Lactation*, 20, 178-187.
- Meier, P. P., Engstrom, J. L., Mingoelli, S. S., Miracle, D. J., & Kiesling, S. (2004). The Rush Mother's Milk Club: Effectiveness of breastfeeding interventions for mothers with very low birthweight infants. *JOGN Nursing*, 33, 164-174.

- Engstrom, J. L., Paterson, S., Doherty, A., Trabulsi, M., & Speer, K. L. (2003). Accuracy of self-reported height and weight in women: An integrative review of the literature. *Journal of Midwifery & Women's Health*, 48, 338-345.
- Meier, P. P., Engstrom, J. L., Murtaugh, M. A., Vasan, U., Meier, W. A., & Schanler, R. J. (2002). Mothers' milk feedings in the Neonatal Intensive Care Unit: Accuracy of the creatatocrit technique. *Journal of Perinatology*, 22, 646-649.
- Johnson, T. J., & Engstrom, J. L. (2002). State of the science in measurement of infant size at birth. *Newborn and Infant Nursing Reviews*, 2, 150-158.
- Griffin, T. L., Meier, P. P., Bradford, L. P., Bigger, H. R., & Engstrom, J. L. (2000). Mothers performing creatatocrit measures in the NICU: Accuracy, reactions, and cost. *JOGN Nursing*, 29, 249-57.
- Meier, P. P., Brown, L. P., Hurst, N. M., Spatz, D. L., Engstrom, J. L., Borucki, L. C., & Krouse, A. M. (2000). Nipple shields for preterm infants: Effect on milk transfer and duration of breastfeeding. *Journal of Human Lactation*, 16, 106-114. **Voted most useful paper by the Journal of Human Lactation in 2000.**
- Engstrom, J. L., Giglio, N. N., Tackas, S. M., Ellis, M. C., & Cherwenka, D. I. (2000). Procedures used to prepare and administer intramuscular injections: a study of infertility nurses. *JOGN Nursing*, 29, 159-68.
- Johnson, T. S., Engstrom, J. L., Haney, S. L., & Mulcrone, S. L. (1999). Reliability of three length measurement techniques in term infants. *Pediatric Nursing*, 25, 13-17. **Commentary on the paper in the Journal of Family and Child Nursing.**
- Mauck, C., Callahan, M., Weiner, D. H., Domonok, R., & the FemCap<sup>®</sup> Investigators' Group. (1999). A comparative study of the safety and efficacy of FemCap<sup>®</sup>, a new vaginal barrier contraceptive and the Ortho All-Flex<sup>®</sup> diaphragm. *Contraception*, 60, 71-80.
- Engstrom, J. L., Rose, R., Brill, A. I., Polhill, K. M., Lukanich, C. M., & Fritz, L. (1999). Midwifery care of the woman with menorrhagia. *Journal of Nurse-Midwifery*, 44, 89-105. **Paper used in the Certificate Maintenance Program for Certified Nurse-Midwives.**
- Johnson, T. S., Engstrom, J. L., Warda, J. A., Kabat, M., & Peters, B. (1998). Reliability of length measurements in term infants. *JOGN Nursing*, 27, 270-276.
- Johnson, T. S., Engstrom, J. L., & Gelhar, D. K. (1997). Intra- and interexaminer reliability of anthropometric measurements of terms infants. *Journal of Pediatric Gastroenterology and Nutrition*, 24, 497-505.
- Sutter, K., Engstrom, J. L., Johnson, T. S., Kavanaugh, K., & Ifft, D. L. (1997). Reliability of head circumference measurements in preterm infants. *Pediatric Nursing*, 23, 485-490.

- Meier, P. P., Engstrom, J. L., Fleming, B. A., Streeter, P. L., & Lawrence, P. B. (1996). Estimating milk intake during breastfeeding for hospitalized preterm infants. *Journal of Human Lactation*, 12, 21-26.
- Engstrom, J. L., Kavanaugh, K., Meier, P. P., Boles, E., Hernandez, J., Wheeler, D., & Chuffo, R. (1995). Reliability of in-bed weighing procedures for critically ill infants. *Neonatal Network*, 14, 27-33.
- Brennan-Behm, M., Carlson, G. E., Meier, P., & Engstrom, J. (1994). Caloric loss from expressed mother's milk during continuous gavage infusion. *Neonatal Network*, 13(2), 27-32.
- Engstrom, J. L., & Sittler, C. P. (1994). Nurse-midwifery management of iron deficiency anemia during pregnancy. *Journal of Nurse-Midwifery*, 39 (Suppl.), 20s-34s. **Paper used in the Certificate Maintenance Program for Certified Nurse-Midwives.**
- Engstrom, J. L., Sittler, C. P., & Swift, K. E. (1994). Fundal height measurement. Part 5 - The effect of clinician bias on fundal height measurement. *Journal of Nurse-Midwifery*, 39, 130-141.
- Meier, P. P., Engstrom, J. L., Crichton, C. L., Clark, D. R., Williams, M. M., & Mangurten, H. H. (1994). A new scale for in-home test-weighing for mothers of preterm and high risk infants. *Journal of Human Lactation*, 10, 163-168. **Voted runner-up for most useful paper by the Journal of Human Lactation.**
- Engstrom, J. L., & Sittler, C. P. (1993). Fundal height measurement. Part 1 - Techniques for measuring fundal height. *Journal of Nurse-Midwifery*, 38, 5-16.
- Engstrom, J. L., McFarlin, B. L., & Sittler, C. P. (1993). Fundal height measurement. Part 2 - Intra- and interexaminer reliability of three measurement techniques. *Journal of Nurse-Midwifery*, 38, 17-22.
- Engstrom, J. L., Piscioneri, L. A., Low, L. K., McShane, H., & McFarlin, B. (1993). Fundal height measurement. Part 3 - The effect of maternal position on fundal height measurements. *Journal of Nurse-Midwifery*, 38, 23-27.
- Engstrom, J. L., McFarlin, B. L., & Sampson, M. (1993). Fundal height measurement. Part 4 - Accuracy of clinician identification of the uterine fundus during pregnancy. *Journal of Nurse-Midwifery*, 38, 318-323.
- Meier, P. P., Engstrom, J. L., Mangurten, H. H., Estrada, E., Zimmerman, B., & Kopparthi, R. (1993). Breastfeeding support services in the neonatal intensive-care unit. *JOGN Nursing*, 22, 338-347.
- deMonterice, D., Meier, P., & Engstrom, J. L. (1992). Concurrent validity of a new instrument for measuring nutritive sucking in preterm infants. *Nursing Research*, 41, 342-346.
- Engstrom, J. L., & Work, B. A. (1992). Prenatal prediction of small- and large-for-gestational age neonates using fundal height growth curves. *JOGN Nursing*, 21, 486-495.

- Rosenberg, S. N., Verzo, B., Engstrom, J. L., Kavanaugh, K., & Meier, P. P. (1992). Reliability of length measurements for preterm infants. *Neonatal Network*, 11(2), 23-27.
- Meier, P. P., Lysakowski, T. Y., Engstrom, J. L., Kavanaugh, K. L., & Mangurten, H. (1990). The accuracy of test weighing for preterm infants. *Journal of Pediatric Gastroenterology and Nutrition*, 10, 62-65.
- Kavanaugh, K. L., Engstrom, J. L., Meier, P. P., & Lysakowski, T. Y. (1990). How reliable are scales for weighing preterm infants? *Neonatal Network*, 9(3), 29-32.
- Crosby, M. E., & Engstrom, J. L. (1989). Inter-examiner reliability in fundal height measurement. *Midwives Chronicle & Nursing Notes*, 102(1219), 254-256.
- Kavanaugh, K., Meier, P. P., & Engstrom, J. L. (1989). Reliability of weighing procedures for preterm infants. *Nursing Research*, 38, 178-179.
- Engstrom, J. L., Ostrenga, K. G., Plass, R. V., & Work, B. A. (1989). The effect of maternal bladder volume on fundal height measurements. *British Journal of Obstetrics and Gynaecology*, 96, 987-991.
- Ifft, D. L., Engstrom, J. L., Meier, P. P., Kavanaugh, K. L., & Yousuf, C. K. (1989). Reliability of head circumference measurements for preterm infants. *Neonatal Network*, 8(3), 41-45.
- McCoy, R., Kadowaki, C., Wilks, S., Engstrom, J., & Meier, P. (1988). Nursing management of breast feeding for preterm infants. *Journal of Perinatal-Neonatal Nursing*, 2, 42-55.
- Engstrom, J. L. (1988). Assessment of the reliability of physical measures. *Research in Nursing and Health*, 11, 383-389. **Abstracted in Bausell, R. B. (1991). *Advanced Research Methodology: An Annotated Guide to Sources*. Metuchen, NJ: Scarecrow Press, Inc.**
- Engstrom, J. L. (1988). Measurement of fundal height. *JOGN Nursing*, 17, 172-178.
- Wallace, A. M., & Engstrom, J. L. (1987). The effects of aerobic exercise on the pregnant woman, fetus, and pregnancy outcome: A review. *Journal of Nurse-Midwifery*, 32, 277-290. **Abstracted in *Women's Health Nursing Scan*, 2(3), 12.**
- Engstrom, J. L. (1985). Quickening and auscultation of fetal heart tones as estimators of the gestational interval: A review. *Journal of Nurse-Midwifery*, 30, 25-32. **Abstracted in *Perinatal Press*, 9(2), 28.**
- McFarlin, B. L., Engstrom, J. L., Sampson, M. B., & Cattledge, F. (1985). The concurrent validity of Leopold's maneuvers in determining fetal presentation and position. *Journal of Nurse-Midwifery*, 30, 280-284.
- Wise, D., & Engstrom, J. L. (1985). The predictive validity of fundal height curves in the identification of small- and large-for-gestational-age infants. *JOGN Nursing*, 14(2), 87-92.

Engstrom, J. L., & Chen, E. H. (1984). Prediction of birthweight by the use of extrauterine measurements during labor. *Research in Nursing and Health*, 7, 315-323.

Engstrom, J. L. (1984). University, agency, and collaborative models for nursing research: An overview. *Image: The Journal of Nursing Scholarship*, 16(3), 76-80.

Engstrom, J. L. (1984). Problems in the development, use and testing of nursing theory. *Journal of Nursing Education*, 23(6), 245-251.

### **Books and Monographs**

Jordan, R. G., Engstrom, J. L., Marfell, J. A., & Farley, C. L. (eds.). (2014). *Prenatal and postnatal care: a woman centered approach*. Ames, IA: Wiley. **Awarded the American College of Nurse-Midwives 'Book of the Year' Award for 2014**

Engstrom, J. L. (1995). *Fundal height measurements*. Washington D.C.: American College of Nurse-Midwives.

### **Book Chapters**

Engstrom, J. L., & Cappiello, J. D. (2018). Pregnancy diagnosis and gestational age assessment. In R. G. Jordan, C. L. Farley, & K. T. Grace (Eds.) *Prenatal and postnatal care: a woman centered approach* (2<sup>nd</sup> ed.) (pp. 131-154). Ames, IA: Wiley.

Engstrom, J. L., & Cappiello, J. D. (2014). Pregnancy diagnosis and gestational age assessment. In R. G. Jordan, J. L. Engstrom, J. A. Marfell, & C. L. Farley (Eds.) *Prenatal and postnatal care: a woman centered approach* (pp. 125-148). Ames, IA: Wiley.

Jordan, R. G., & Engstrom, J. L. (2014). Prenatal genetic counseling, screening, and diagnosis. In R. G. Jordan, J. L. Engstrom, J. A. Marfell, & C. L. Farley (Eds.) *Prenatal and postnatal care: a woman centered approach* (pp. 160-175). Ames, IA: Wiley.

Engstrom, J. L., Meier, P. P., & DeCocker-Geist, K. (2013). Evidence based practices to promote, support and protect breastfeeding. In B. A. Anderson & S. Stone (Eds.). *Best practices in midwifery: using the evidence to implement change* (pp. 101-118). New York, NY: Springer Publishers.

Engstrom, J. L., & Meier, P. P. (2012). Using self-efficacy theory to help vulnerable women breastfeed. In M. de Chesnay & B. A. Anderson (Eds.). *Caring for the vulnerable: Perspectives in nursing theory, research, and practice* (3<sup>rd</sup> ed., pp. 169-181). Burlington, MA: Jones and Bartlett.

Engstrom, J. L. (1994). Vulvovaginitis. In mar (Eds.). *Plans of care in specialty practice: Obstetrical and gynecological nursing*. Albany, NY: Delmar Publishers.

- Engstrom, J. L. (1994). PID. In M. Gulanik, D. L. Gradisher, & M. Knoll-Puzas (Eds.). *Plans of care in specialty practice: Obstetrical and gynecological nursing*. Albany, NY: Delmar Publishers.
- Engstrom, J. L. (1994). Infertility. In M. Gulanik, D. L. Gradisher, & M. Knoll-Puzas (Eds.). *Plans of care in specialty practice: Obstetrical and gynecological nursing*. Albany, NY: Delmar Publishers.

**Other Publications** (e.g., editorials, letters to the editor, edited columns, authored columns)

- Engstrom, J. L., Patel, A. L., & Meier, P. P. (2017). Eliminating disparities in mother's milk feeding in the Neonatal Intensive Care Unit [Editorial]. *Journal of Pediatrics*, 182, 8-9.
- Share with Women. (2010). Abnormal uterine bleeding. *Journal of Midwifery & Women's Health*, 55, 191-193. (Note: This is a patient education series. The author's name is not published to protect the author from potential liability)
- Meier, P. P., & Engstrom, J. L. (2009). Human Milk: A food and a medicine for very low birth weight infants. *La Leche League International, Breastfeeding Abstracts*, 2, 1-5
- Engstrom, J. L. (2008). Magical thinking [Editorial]. *Journal of Midwifery & Women's Health*, 53, 401-402.
- Meier, P. P., & Engstrom, J. L. (2007). Test-weighing for term and premature infants is an accurate procedure [Letter to the editor]. *Archives of Disease in Childhood Fetal and Neonatal Edition*, 92, F155-F156.
- Engstrom, J. L. (2007). Promoting and supporting breastfeeding: Health care providers make a difference [Editorial]. *Journal of Midwifery & Women's Health*, 52, 543-544.
- Engstrom, J. L. (2007). Medications and Mothers' Milk [Review of the book, Medications and Mothers' Milk: A Manual of Lactational Pharmacology, 12<sup>th</sup> edition]. *Journal of Midwifery & Women's Health*, 52, e72.
- Engstrom, J. L. (2007). The Breastfeeding Atlas [Review of the book, The Breastfeeding Atlas, 3rd edition]. *Journal of Midwifery & Women's Health*, 52, e75.
- Andrist, L. C., Beal, M. W., Cappiello, J., Engstrom, J., Koeniger-Donohue, R., Likis, F. E., Simmonds, K. E., Singer, J., Taylor, D. (2006). Should APNs perform abortion services? [Letter to the editor]. *The Journal for Nurse Practitioners*, 9(2), 568-570.
- Engstrom, J. L. (2003). *Maternal Neonatal Nursing Made Incredibly Easy* [Book introduction]. Springhouse, PA: Lippincott.

## **Published Abstracts**

- Patel, A. L., Dabrowski E.A., Bigger, H. R., Engstrom, J. L., & Meier, P. P. (2014, June). High dose human milk (HM) throughout the neonatal intensive care unit (NICU) hospitalization reduces the odds of chronic lung disease (CLD) in very low birthweight (VLBW) infants. PAS 2014: 3845:663.
- Dabrowski, E. A., Patel, A. L., Bigger, H. R., Engstrom, J. L., & Meier P. P. (2014, June). High proportion of human milk (HM) feedings during the neonatal intensive care unit (NICU) hospitalization is associated with postnatal growth failure (PGF), but shorter length of stay in very low birthweight (VLBW) infants. PAS 2014: 3845.674.
- Bruns, N. E., Jegier, B. J., Engstrom, J. L., & Meier, P. P. (2010, October). Graphic patterning as a method of describing dose and exposure period of human milk intake in very low birth weight infants [Abstract]. *Journal of Human Lactation*, 26, 442.
- Jegier, B. J., Engstrom, J. L., & Meier, P. P. (2010, October). Measuring human milk feedings for very low birth weight infants: A review of the literature [Abstract]. *Journal of Human Lactation*, 26, 442.
- Johnson, T. J., Jegier, B. J., Engstrom, J. L., & Meier, P. P. (2010, October). Neonatal intensive care unit costs of morbidities in very low birth weight infants [Abstract]. *Journal of Human Lactation*, 26, 441.
- Patel, A. L., Jegier, B. J., Engstrom, J. L., Bigger, H. R., & Meier, P. P. (2010, October). Prospective study of human milk feedings and infant growth in very low birth weight infants [Abstract]. *Journal of Human Lactation*, 26, 441.
- Engstrom, J. L., Meier, P. P., Motykowski, J. E., & Meier, W. A. (2008). Effect of human milk storage method and capillary tube type on creatatocrit (CRCT) values in the neonatal intensive care unit (NICU) [Abstract]. *Breastfeeding Medicine*, 3, 79.
- Jegier, B. J., Meier, P. P., Engstrom, J. L., & McBride, T. M. (2008). The relationship between dose and exposure of human milk (HM) feedings and hospital length of stay (LOS) for very low birth weight (VLBW; <1500 G) infant [Abstract]. *Breastfeeding Medicine*, 3, 97.
- Meier, P. P. (2008). Evidence-based techniques to optimize the dose of fortified human milk received by very low birthweight infants [Abstract]. *Breastfeeding Medicine*, 3, 68.
- Meier, P. P., Engstrom, J. L., Patel, A. L., Johnson, T. J., Fogg, L., Bigger, H. R., & Jegier, B. J. (2008). Health outcomes and cost of human milk (HM) feedings for very low birthweight (VLBW;<1500g) infants during the neonatal intensive care unit (NICU) stay [Abstract]. *Breastfeeding Medicine*, 3, 98.



- Meier, W. A., Modaff, K., Mack, S., Jegier, B. J., Patel, A. L., Engstrom, J. L., & Meier, P. P. (2008). Electronic extraction interface to link dose and exposure period of human milk (HM) feedings with health outcomes and cost in a large cohort study of very low birthweight (VLBW) infants [Abstract]. *Breastfeeding Medicine*, 3, 91.
- Motykowski, J. E., Meier, P. P., Engstrom, J. L., & Jegier, B. J. (2008). Breastfeeding peer counselors (BPCS) serve as research assistants (RAS) in a randomized clinical trial of breast pump patterns for mothers with premature infants in the neonatal intensive care unit (NICU) [Abstract]. *Breastfeeding Medicine*, 3, 93.
- Patel, A. L., Engstrom, J. L., Goldmann, J., Fogg, L., & Meier, P. P. (2008). Dose-response outcomes of human milk (HM) feedings for extremely low birthweight (ELBW; <1000g) infants [Abstract]. *Breastfeeding Medicine*, 3, 98.
- Reddy, N. P., Meier, P. P., Engstrom, J. L., Patel, A. L., Motykowski, J. E., & Jegier, B. J. (2008). What is the variability in lipid and caloric content in own mothers' human milk (HM) fed to hospitalized very low birth weight (VLBW) infants [Abstract]? *Breastfeeding Medicine*, 3, 79.
- Engstrom, J. L., Meier, P. P., & Jegier, B. J. (2007). Factors associated with milk output differences from the right and left breasts [Abstract]. *Journal of Human Lactation*, 23, 80.
- Hurst, N. M., Engstrom, J. L., & Meier, P. P. (2007). Conceptualization and operationalization of breast pump evaluation for pump-dependent mothers of hospitalized infants [Abstract]. *Journal of Human Lactation*, 23, 86.
- Jegier, B. J., Meier, P. P., McBride, T. M., Engstrom, J. L., & Zuelger, J. L. (2007). What is the cost of providing 100 mLs of own mothers' milk (OMM) for very low birth weight (VLBW; <1500g) infants in the NICU [Abstract]? *Journal of Human Lactation*, 23, 87.
- Rhee, J., Meier, P. P., & Engstrom, J. L. (2007). Milk storage capacity: Quantitating the effectiveness of milk removal in mothers of very low birth weight (VLBW; <1500g) infants [Abstract]. *Journal of Human Lactation*, 23, 102.
- Goldman, J. R., Ishibashi, K. L., Patel, A. L., Engstrom, J. L., Meier, P. P., & Kimura, R. E. (2006). Growth in extremely low birth weight infants receiving different doses of fortified human milk [Abstract]. *Pediatric Academic Societies*, E-PAS2006:59:5571.432
- Jegier, B. J., Meier, P. P., McBride, T. M., Engstrom, J. L., & Zuelger, J. L. (2006). What is the cost of providing 100 mls of own mothers' milk (OMM) for very low birth weight (VLBW; <1500g) infants in the NICU [Abstract]? *Pediatric Academic Societies*, E-PAS2006:59:5571.427
- Ishibashi, K. L., Patel, A. L., Engstrom, J. L., Meier, P. P., & Kimura, R. E. (2005). Growth in very low birth weight infants receiving different doses of fortified human milk [Abstract]. *Pediatric Academic Societies*, 57, 3292.

- Engstrom, J., Meier, P., Motykowski, J., & Zuleger, J. (2004). Comparison of the volume of milk pumped from the right and left breasts [Abstract]. *Journal of Midwifery & Women's Health*, 49, 462.
- Patel, A. L., Engstrom, J. L., Meier, P. P., & Kimura, R. E. (2004). A mathematical model of postnatal growth velocity in extremely premature infants [Abstract]. *Pediatric Research*, 55(4), 445A.
- Meier, P. P., Engstrom, J. L., Spanier-Mingolelli, S. R., et al. (2000). Dose of own mothers' milk provided by low-income and non-low-income mothers of very low birthweight infants [Abstract]. *Pediatric Research*, 47, 292.
- Hurst, N., Meier, P. P., & Engstrom, J. L. (2000). Milk volume consumed at breast during the first month post-discharge (PDC) for preterm infants (PI): Implications for management of breastfeeding and infant growth [Abstract]. *Pediatric Research*, 47, 197.
- Bigger, H. R., Griffin, T., Meier, P. P., & Engstrom, J. L. (1999). Breastfeeding in the neonatal intensive care unit (NICU): A comparison of mothers' and nurses' creatinocrit (CRCT) measurement [Abstract]. *Pediatric Research*, 45, 277A.
- Hurst, N., Meier, P. P., & Engstrom, J. L. (1999). Mothers performing in-home measurement of milk intake during breastfeeding for their preterm infants: Effects on breastfeeding outcomes at 1, 2 and 4 weeks post-NICU discharge [Abstract]. *Pediatric Research*, 45, 125A.
- Meier, P. P., Brown, L. P., Hurst, N., Spatz, D., & Engstrom, J. L. (1999). Nipple shields for preterm infants: Effect on milk intake and duration of breastfeeding [Abstract]. *Pediatric Research*, 45, 287A.

## **PRESENTATIONS**

### **Peer Reviewed Presentations**

Engstrom, J. L. (2017, May). Maternal reset hypothesis: The short- and long-term maternal health benefits associated with breastfeeding. Presented at the American College of Nurse-Midwives National Meeting. Chicago, IL.

Engstrom, J. L., & Cockerham, A. Z. (2016, September). "Seldom have I been as moved by anything as the simple unadorned statistical reports:" Mary Breckinridge's use of 'Big Data' to document nursing practice and generate new knowledge. *American Association for the History of Nursing*, Chicago, IL.

Cockerham, A. Z., & Engstrom, J. L. (2016, September). Getting a 'soon start' on the Doctor of Nursing Practice: Mary Breckinridge, leading the way for the DNP Essentials. *American Association for the History of Nursing*, Chicago, IL.

DeCocker, K., & Engstrom, J. L. (2014, May). When babies can't feed at breast: Optimizing maternal milk supply. *American College of Nurse-Midwives*, Denver, CO.

Osborne, K., Engstrom, J. L. (2014, May). Care and feeding of the late preterm infant: Overcoming challenges to breastfeeding. *American College of Nurse-Midwives*, Denver, CO.

Engstrom, J. L. (2012, September). *Coming to volume: A day in the life of a breast pump dependent mother*. Paper presented at the 16<sup>th</sup> International Society for Research in Human Milk and Lactation Conference. Trieste, Italy.

Engstrom, J. L. (2011, June). Mothers' milk as medicine. *American College of Nurse-Midwives*, Austin, TX.

Engstrom, J. L. (2007, May). The technology of breastfeeding: Breast pumps, nipple shields, test-weighing and the creatinocrit. *American College of Nurse-Midwives Annual Meeting*. Chicago, IL.

Engstrom, J. L., Meier, P. P., Motykowski, J. E., & Zuleger, J. L. (2004, June). Comparison of the volume of milk pumped from the right and left breasts. *American College of Nurse-Midwives*, New Orleans, LA.

Rieter, B., Meier, P., Shannon, I., Williams, K., & Engstrom, J. L. (2003, November). Hospital support for breastfeeding and associated outcomes. *American Public Health Association Annual Meeting*, San Francisco, CA.

Engstrom, J. L., Meier, P. P., Murtaugh, M., Vasan, U., Meier, W. A., & Schanler, R. J. (2002, May). Accuracy of the creatinocrit for mothers' milk feedings in the NICU. *ACNM Annual Meeting*, Atlanta, GA.

- Meier, P. P., Meier, W. A., Vasan, U., & Engstrom, J. L. (2001, September). Mothers' milk feedings in the NICU: Accuracy and utility of the creatinocrit technique. *5<sup>th</sup> World Symposium of Perinatal Medicine*. Barcelona, Spain.
- Meier, P. P., Engstrom, J. L., Spanier-Mingolelli, S., & Kiesling, S. (2001, September). Dose of mothers' milk provided by low-income and non-low-income mothers of very low birth weight infants. *5<sup>th</sup> World Symposium of Perinatal Medicine*. Barcelona, Spain.
- Griffin, T., Bigger, H., Bradford, L., Engstrom, J. L., & Meier, P. P. (1998, June). Can mothers of preterm infants perform creatinocrits accurately? *AWHONN 1998 National Meeting*. San Antonio, TX.
- Hurst, N. M., Meier, P. P., & Engstrom, J. L. (1997, June). In-home measurement of milk intake for preterm infants: Breastfeeding Outcomes. *AWHONN 1997 National Meeting*. Washington D.C.
- Johnson, T., Engstrom, J., & Gelhar, D. (1993, October). Intra- and interexaminer reliability of anthropometric measurements of term neonates. *AWHONN District IV Regional Conference*. Des Moines, IA.
- McFarlin, B., Engstrom, J., & Sampson, M. (1992, July). Accuracy of fundal height measurements. *The Second World Congress of Ultrasound in Obstetrics and Gynecology*. Bonn, Germany.
- deMonterice, D., Meier, P., & Engstrom, J. (1991, October). Measurement of Sucking during breast feeding for preterm infants. *Council of Nurse-Researchers*. California.
- Engstrom, J., Meier, P., & McCoy, R. (1991, October). Patterns of intake during breast feeding for preterm infants. *Council of Nurse-Researchers*. California.
- Meier, P., Mangurten, H., Engstrom, J., McCoy, R., Estrada, B., & Zimmerman, B. (1991, October). A model for lactation support in neonatal intensive care. *Council of Nurse-Researchers*. California.
- Brennan-Behm, M., Carlson, E., Gennardo, D., Meier, P., & Engstrom, J. (1990, July). Changes in lipid concentration during continuous gavage infusion of expressed mothers' milk: A comparison of two methods. *NAACOG Third Biennial Research Conference*. Denver, CO.
- Engstrom, J., Kavanaugh, K., Meier, P., Boles, E., Murphy, J., McCoy, R., & Wheeler, D. (1990, July). Reliability of in-bed weighing procedures for high risk infants. *NAACOG Third Biennial Research Conference*. Denver, CO.
- Meier, P., Estrada, E., Engstrom, J., Mangurten, H., & Kopparthi, R. (1990, July). A model for providing lactation support in the special care nursery. *NAACOG Third Biennial Research Conference*. Denver, CO.

- Kavanaugh, K. L., Engstrom, J. L., & Meier, P. P. (1989, April). Reliability of weighing procedures for preterm infants. *NAACOG Seventh National Meeting*. St. Louis, MO. *Paper won the Conference's Outstanding Research Award*
- Meier, P. P., Engstrom, J. L., & McCoy, R. (1988, July). Patterns of intake during breast feeding in preterm infants. *Second NAACOG Research Conference*. Toronto, Canada.
- Fisher-Holden, L., Groth, L., Meier, P. P., & Engstrom, J. L. (1988, July). Feeding warmed and unwarmed formula: Physiologic effects on preterm infants. *Second NAACOG Research Conference*. Toronto, Canada.
- Lysakowski, T. Y., Kavanaugh, K. L., Meier, P., & Engstrom, J. L. (1988, April). Test weighing: A comparison of the concurrent validity of the Smart and Toledo infant scales. *Twelfth Annual Midwest Nursing Research Society Conference*. Wichita, KS.
- Perlis, D. W., van Lier, D., Engstrom, J. L., & Mendez-Bauer, C. (1988, April). The concurrent validity of manual extrapolation of maternal bearing-down efforts during the second stage of labor. *Twelfth Annual Midwest Nursing Research Society Conference*. Wichita, KS.
- Kavanaugh, K. L., Lysakowski, T. Y., Engstrom, J. L., & Meier, P. (1988, April). Intra- and interexaminer reliability of the Smart and Toledo infant scales. *Twelfth Annual Midwest Nursing Research Society Conference*. Wichita, KS.
- Engstrom, J. L., & Meier, P. (1988, April). Reporting the reliability and validity of physical measures (symposium). *Twelfth Annual Midwest Nursing Research Society Conference*. Wichita, KS.
- Engstrom, J. L. (1987, August). The intra- and interexaminer reliability of fundal height measurements. *International Confederation of Midwives, 21st International Congress*. The Hague, The Netherlands.
- van Lier, D., & Engstrom, J. L. (1987, May). Breast stimulation: Controversies in practice (Symposium). *Thirty-second Annual ACNM Convention*. Orlando, FL.
- Danielson, D. L., Gantes, M., & Engstrom, J. L. (1987, April). A comparison of nipple stimulation for contraction stress testing of the fetus. *Eleventh Annual Midwest Nursing Research Society*. St. Louis, MO.
- Engstrom, J. L. (1986, April). The intra- and interexaminer reliability of fundal height measurements. *Tenth Annual Midwest Nursing Research Society Conference*. Omaha, NB.
- Engstrom, J. L. (1985, November). The intra- and interexaminer reliability of fundal height measurements. *Linking Research to Practice - A Nursing Research Forum*. University of Illinois College of Nursing. Urbana, IL.

- Engstrom, J. L., & Chen, E. H. (1983, June). Prediction of infant birthweight by the use of extrauterine measurements taken during labor. *Fourth National Meeting of the Nurses' Association of the American College of Obstetricians & Gynecologists*. Washington, D.C.
- Engstrom, J. L. (1983, October). The predictive validity of fundal height curves in the antepartal identification of small-, appropriate-, and large-for-gestational age infants. *Sixth Annual Research Conference of the V.A. Medical District #17 Nursing Services and University of Illinois Nursing*. Chicago, IL.
- Engstrom, J. L. (1982, November). The predictive validity of standardized fundal height curves in the identification of small-, appropriate-, and large-for-date infants. *Perinatal Nursing: Some Research Perspectives*. University of Illinois, Chicago, IL.
- Engstrom, J. L. (1982, September). A simple method of predicting infant birthweight during labor. *National Forum for Doctoral Students in Nursing*. Rush University. Chicago, IL.

### **Invited Presentations**

- Engstrom, J. L. (2016, March). Maternal reset hypothesis: Maternal health benefits of breastfeeding. Presented at the March of Dimes Perinatal Nursing Conference. Lombard, IL.
- Engstrom, J. L. (2009, November). Breastfeeding issues for office practice: Common challenges, medication issues and more. *Contemporary Forums*. Chicago, IL.
- Engstrom, J. L. (2009, November). Vaccinations for adult and pregnant women: An update. *Contemporary Forums*. Chicago, IL.
- Engstrom, J. L. (2006, April). The Rush Mother's Milk Club: Facilitating lactation and breastfeeding for mothers of very low birthweight infants. *University of Illinois at Chicago, School of Public Health, Maternal-Child Health Program*. Chicago, IL.
- Engstrom, J. L. (2005, October). Genomics and maternity care in the 21<sup>st</sup> century. *Oregon Chapter of the American College of Nurse-Midwives*. Portland, OR.
- Engstrom, J. L. (2005, February). The genetic basis of disease. *Ohio Chapters of the American College of Nurse-Midwives*. Huron, OH.
- Engstrom, J. L. (2004, February). The genetic basis of disease. *Illinois Chapter of the American College of Nurse-Midwives*. Chicago, IL.
- Engstrom, J. L. (2003, June). It's nature and nurture: Genetics for midwifery practice. *American College of Nurse-Midwives National Meeting*. Palm Desert, CA.
- Engstrom, J. L. (2003, August). What's new in hormonal contraception. *Contemporary Forums*. Chicago, IL. August, 2003.
- Engstrom, J. L. (2003, October). The genetic basis of disease. *Illinois Academy of Physician Assistants*. Oakbrook, IL.
- Engstrom, J. L. (2003, November). Incorporating genetics into your curriculum. *Eighth Annual Midwifery Business Institute – Directors of Nurse-Midwifery Education (DOME) Meeting*. Ann Arbor, MI.
- Engstrom, J. L. (1997, February). Fundal height measurements. *Grand Rounds, Department of Obstetrics and Gynecology, Cook County Hospital*. Chicago, IL.
- Engstrom, J. L. (1994, May). Trends and issues in infertility. *Northern Illinois Chapter of AWHONN*. North Chicago, IL.
- Engstrom, J. L. (1993, November). What do the numbers really mean? Understanding clinics' statistics. Insights into Infertility. *Resolve/Serono Symposium*. Rosemont, IL.

- Engstrom, J. L. (1993, October). Assisted reproductive technology. *AWHONN District VI Conference*. Des Moines, IA.
- Engstrom, J. L. (1993, October). Maternal adaptation to pregnancy. *AWHONN District VI Conference*. Des Moines, IA.
- Engstrom, J. L. (1993, March; 1992, December; 1991, December). Assessment of the abdomen. *Perinatal Outreach Education, UIC Perinatal Network*. Chicago, IL.
- Engstrom, J. L. (1992, October). Pregnancy, birth, and parenting after infertility. *Contemporary Forums*. Chicago, IL.
- Engstrom, J. L. (1991, October). Infertility update. *ACOG/NAACOG Regional Meeting*. Chicago, IL.
- Engstrom, J. L. (1990, October). Assisted reproductive technologies. Infertility management in an office practice. *Serono Symposium*. Chicago, IL.
- Engstrom, J. L. (1990, October). Infertility: Etiology, diagnosis and innovations in treatment. *Contemporary Forums*. Chicago, IL.
- Engstrom, J. L. (1988, February). Clinical assessment of fetal growth. *March of Dimes Perinatal Nurse Conference*. New York, NY.
- Engstrom, J. L. (1988, June). Maternal physiological alterations during pregnancy: Application to clinical practice. Des Moines, IA.
- Engstrom, J. L. (1987, December; 1986, March). Physiological alterations during pregnancy. *Northwestern University Medical School and the Section on Obstetrics and Gynecology of the American Physical Therapy Association*. Chicago, IL.
- Engstrom, J. L. (1987, May). Clinical assessment of fetal growth. *Thirty-second Annual ACNM Convention*. Orlando, FL.
- Engstrom, J. L. (1986, May). Clinical assessment of fetal growth. *Contemporary Forums*. New York, NY.
- Engstrom, J. L. (1986, May). Maternal physiologic alterations during pregnancy. *Contemporary Forums*. New York, NY.
- Engstrom, J. L. (1985, December). Clinical assessment of fetal growth. *Georgia section of NAACOG and Georgia Chapter of ACNM*. Atlanta, GA.
- Engstrom, J. L. (1984, July). Physiological adaptation during pregnancy. *High Risk Pregnancy: Special Women/Special Needs. University of Illinois at Chicago*. Chicago, IL.



Engstrom, J. L. (1984, May). Fundal height measurements. *29th Annual Convention - American College of Nurse-Midwives*. Philadelphia, PA.

Engstrom, J. L. (1984, March). Antepartal assessment of fetal growth and fetal size. *Ninth Annual March of Dimes Perinatal Nursing Conference*. Chicago, IL.

Engstrom, J. L. (1981, March). Pregnancy - a time of crisis: The psychological changes associated with normal pregnancy. *Workshop for Obstetric, Family Practice, and Health Department Nurses*. Rockford Memorial Hospital. Rockford, IL.

Engstrom, J. L. (1981, March). Adolescent pregnancy: The risk to mother and baby. *Winnebago County Health Department and the University of Illinois*. Rockford, IL.

## **Research Posters**

- Cockerham, A. Z., & Engstrom, J. L. (2016, January). Big data and the Frontier Nursing Service: A historic exemplar of using data to document practice and generate new knowledge. *American Association of Colleges of Nursing Doctoral Education Conference*, Naples, FL.
- Patel, A. L., Dabrowski E.A., Bigger, H. R., Engstrom, J. L., & Meier, P. P. (2014, May). High dose human milk (HM) throughout the neonatal intensive care unit (NICU) hospitalization reduces the odds of chronic lung disease (CLD) in very low birthweight (VLBW) infants. Pediatric Academic Societies Annual Meeting, Vancouver, Canada.
- Dabrowski, E. A., Patel, A. L., Bigger, H. R., Engstrom, J. L., & Meier, P. P. (2014, May). High proportion of human milk (HM) feedings during the neonatal intensive care unit (NICU) hospitalization is associated with postnatal growth failure (PGF), but shorter length of stay in very low birthweight (VLBW) infants. Pediatric Academic Societies. Vancouver, Canada.
- Johnson, T. J., Patel, A. L., Patra, K., Greene, M., Bigger, H., Engstrom, J. L., & Meier, P. P. (2014, May). Pilot study to assess effectiveness of incentives to overcome barriers to Neonatal high-risk clinic attendance. Pediatric Academic Societies Annual Meeting, Vancouver, Canada.
- Johnson, T. J., Patel, A. L., Engstrom, J. L., Bigger, H., & Meier, P. P. (2014, May). The relationship between human milk, necrotizing enterocolitis and neonatal intensive care unit costs in very low birth weight infants. Pediatric Academic Societies. Vancouver, Canada.
- Bigger, H. R., Fogg, L. F., Patel, A. L., Engstrom, J. L., & Meier, P. P. (2012, September). *Discharge-based quality indicators do not adequately reflect the amount of human milk consumed by very low birth weight infants during the neonatal intensive care unit hospitalization*. Poster presented at the 16<sup>th</sup> International Society for Research in Human Milk and Lactation Conference. Trieste, Italy.
- Janes, J. E., Meier, P. P., & Engstrom, J. L. (2012, September). *Recruiting and retaining hard to reach populations in lactation/human milk feeding studies in the neonatal intensive care unit (NICU)*. Poster presented at the 16<sup>th</sup> International Society for Research in Human Milk and Lactation Conference. Trieste, Italy.
- Jegier, B. J., Johnson, T. J., Engstrom, J. L., & Meier, P. P. (2012, September). *The maternal cost of pumping human milk during hospitalization in the neonatal intensive care unit for very low birth weight infants*. Poster presented at the 16<sup>th</sup> International Society for Research in Human Milk and Lactation Conference. Trieste, Italy.
- Jegier, B. J., Johnson, T. J., Engstrom, J. L., Casey, M., & Meier, P. P. (2012, September). *The institutional cost of providing human milk during hospitalization in the neonatal*

*intensive care unit*. Poster presented at the 16<sup>th</sup> International Society for Research in Human Milk and Lactation Conference. Trieste, Italy.

Bruns, N. E., Jegier, B. J., Engstrom, J. L., & Meier, P. P. (2010, October). *Graphic patterning as a method of describing dose and exposure period of human milk intake in very low birth weight infants*. International Society of Research in Human Milk and Lactation. Lima, Peru.

Jegier, B. J., Engstrom, J. L., & Meier, P. P. (2010, October). *Measuring human milk feedings for very low birth weight infants: A review of the literature*. International Society of Research in Human Milk and Lactation. Lima, Peru.

Johnson, T. J., Jegier, B. J., Engstrom, J. L., & Meier, P. P. (2010, October). *Neonatal intensive care unit costs of morbidities in very low birth weight infants*. International Society of Research in Human Milk and Lactation. Lima, Peru.

Patel, A. L., Jegier, B. J., Engstrom, J. L., Bigger, H. R., & Meier, P. P. (2010, October). *Prospective study of human milk feedings and infant growth in very low birth weight infants*. International Society of Research in Human Milk and Lactation. Lima, Peru.

Engstrom, J. L., Meier, P. P., Motykowski, J. E., & Meier, W. A. (2008, January). Effect of human milk storage method and capillary tube type on creatocrit (CRCT) values in the neonatal intensive care unit (NICU). *International Society for Research in Human Milk and Lactation*. Perth, Australia.

Jegier, B. J., Meier, P. P., Engstrom, J. L., & McBride, T. M. (2008, January). The relationship between dose and exposure of human milk (HM) feedings and hospital length of stay (LOS) for very low birth weight (VLBW; <1500 G) infants. *International Society for Research in Human Milk and Lactation*. Perth, Australia.

Meier, P. P., Engstrom, J. L., Patel, A. L., Johnson, T. J., Fogg, L., Bigger, H. R., & Jegier, B. J. (2008, January). Health outcomes and cost of human milk (HM) feedings for very low birthweight (VLBW;<1500g) infants during the neonatal intensive care unit (NICU) stay. *International Society for Research in Human Milk and Lactation*. Perth, Australia.

Meier, W. A., Modaff, K., Mack, S., Jegier, B. J., Patel, A. L., Engstrom, J. L., & Meier, P. P. (2008, January). Electronic extraction interface to link dose and exposure period of human milk (HM) feedings with health outcomes and cost in a large cohort study of very low birthweight (VLBW) infants. *International Society for Research in Human Milk and Lactation*. Perth, Australia.

Motykowski, J. E., Meier, P. P., Engstrom, J. L., & Jegier, B. J. (2008, January). Breastfeeding peer counselors (BPCS) serve as research assistants (RAS) in a randomized clinical trial of breast pump patterns for mothers with premature infants in the neonatal intensive care unit (NICU). *International Society for Research in Human Milk and Lactation*. Perth, Australia.

- Patel, A. L., Engstrom, J. L., Goldmann, J., Fogg, L., & Meier, P. P. (2008, February). Dose-response outcomes of human milk (HM) feedings for extremely low birthweight (ELBW; <1000g) infants. *International Society for Research in Human Milk and Lactation*. Perth, Australia.
- Reddy, N. P., Meier, P. P., Engstrom, J. L., Patel, A. L., Motykowski, J. E., & Jegier, B. J. (2008, February). What is the variability in lipid and caloric content in own mothers' human milk (HM) fed to hospitalized very low birth weight (VLBW) infants? *International Society for Research in Human Milk and Lactation*. Perth, Australia.
- Patel, A. L., Engstrom, J. L., Goldmann, J., Fogg, L., & Meier, P. P. (2007, June). Dose-response outcomes of human milk (HM) feedings for extremely low birthweight (ELBW; <1000g) infants. *Society for Pediatric Research*. Hawaii.
- Jegier, B. J., Meier, P. P., McBride, T. M., Engstrom, J. L., & Zuelger, J. L. (2006, June). What is the cost of providing 100 mLs of own mothers' milk (OMM) for very low birth weight (VLBW; <1500g) infants in the NICU? *Pediatric Academic Societies' Annual Meeting*. San Francisco, CA.
- Goldman, J. R., Ishibashi, K. L., Patel, A. L., Engstrom, J. L., Meier, P. P., & Kimura, R. E. (2006, June). Growth in extremely low birth weight infants receiving different doses of fortified human milk. *Pediatric Academic Societies' Annual Meeting*. San Francisco, CA.
- Jegier, B. J., Meier, P. P., McBride, T. M., Engstrom, J. L., & Zuelger, J. L. (2006, September). What is the cost of providing 100 mLs of own mothers' milk (OMM) for very low birth weight (VLBW; <1500g) infants in the NICU? *International Society for Research in Human Milk and Lactation*. Niagara-on-the-Lake, Canada.
- Engstrom, J. L., Meier, P. P., & Jegier, B. J. (2006, September). Factors associated with milk output differences from the right and left breasts. *International Society for Research in Human Milk and Lactation*. Niagara-on-the-Lake, Canada.
- Hurst, N. M., Engstrom, J. L., & Meier, P. P. (2006, September). Conceptualization and operationalization of breast pump evaluation for pump-dependent mothers of hospitalized infants. *International Society for Research in Human Milk and Lactation*. Niagara-on-the-Lake, Canada.
- Rhee, J., Meier, P. P. & Engstrom, J. L. (2006, September). Milk storage capacity: Quantitating the effectiveness of milk removal in mothers of very low birth weight (VLBW; <1500g) infants. *International Society for Research in Human Milk and Lactation*. Niagara-on-the-Lake, Canada.
- Meier, P. P., Engstrom, J. L., Zuleger, J. L., Motykowski, J. E., Vasan, U., Meier, W., Williams, T., & Hartmann, P. (2005, June). The Creamatocrit Plus: A new centrifuge for measuring creatinocrits with mothers' milk. *American College of Nurse-Midwives*. Washington D.C.

- Meier, P. P., Engstrom, J. L., Motykowski, J. L., & Zuleger, J. L. (2005, June). Comfort and effectiveness of a new breast pump for mothers with VLBW infants. *American College of Nurse-Midwives*. Washington D.C.
- Hurst, N. M., Ackerman, B., Allen, M., Engstrom, J. L., Zuleger, J. L., & Meier, P. P. (2004, September). The burden of pumping: Mothers providing milk for their very preterm infants. *International Society for Research in Human Milk and Lactation*. Cambridge, UK.
- Patel, A., Engstrom, J. L., Meier, P. P., & Kimura, R. (2004, September). A new method for estimation of postnatal growth velocity in ELBW (<1000g) infants. *International Society for Research in Human Milk and Lactation*. Cambridge, UK.
- Meier, P. P., Engstrom, J. L., Zuleger, J. L., Motykowski, J. E., Vasan, U., Meier, W., Williams, T., & Hartmann, P. (2004, September). The Creatatocrit Plus: A new centrifuge for measuring creatatocrits with mothers' milk. *International Society for Research in Human Milk and Lactation*. Cambridge, UK.
- Motykowski, J. E., Meier, P. P., Engstrom, J. L., Zuleger, J. L. (2004, September). Conducting a randomized clinical trial with an underserved population of mothers with VLBW (<1500g) infants. *International Society for Research in Human Milk and Lactation*. Cambridge, UK.
- Meier, P. P., Engstrom, J. L., Motykowski, J. E., & Zuleger, J. L. (2004, September). Comfort and effectiveness of a new breast pump for mothers with VLBW infants. *International Society for Research in Human Milk and Lactation*. Cambridge, UK.
- Vasan, U., Joseph, S., Matthews, J., Engstrom, J. L., & Meier, P. P. (2004, September). Maternal milk volume and milk transfer for low birthweight infants in Ecuador: Comparison of electric breast pump and hand expression. *International Society for Research in Human Milk and Lactation*. Cambridge, UK.
- Hurst, N. M., Meier, P. P., & Engstrom, J. L. (2000, May). Milk consumed at breast during the first month post-discharge for preterm infants: Implications for management of breastfeeding and infant growth. *Society for Pediatric Research*. Boston, MA.
- Meier, P. P., Engstrom, J. L., Spanier-Mingolelli, S., & Kiesling, S. A. (2000, May). Dose of mothers' milk provided by low-income and non-low-income mothers of very low birthweight infants. *Society for Pediatric Research*. Boston, MA.
- Meier, P. P., Spanier Mingolelli, S. R., Kiesling, S., & Engstrom, J. L. (1999, October). Low income women can do it too! Dose and cost of own mothers' milk feedings for very low birthweight infants. *International Society for Research in Human Milk and Lactation*. Irsee, Germany.

- Griffin, T. L., Meier, P. P., Bradford, L. P., Engstrom, J. L., & Bigger, H. R. (1999, October). Mothers Performing Creatatocrit Measures in the NICU: Accuracy, Reaction and Cost. *International Society for Research in Human Milk and Lactation*. Irsee, Germany.
- Hurst, N. M., Meier, P. P., & Engstrom, J. L. (1999, May). Mothers performing in-home measurement of milk intake during breastfeeding for their preterm infants: Effect on breastfeeding outcomes at 1, 2, and 4 weeks post-NICU discharge. *Society for Pediatric Research*.
- Meier, P. P., Brown, L. P., Hurst, N. M., Spatz, D., & Engstrom, J. L. (1999, May). Nipple Shields for Preterm Infants: Effects on Milk Transfer and Duration of Breastfeeding. *Society for Pediatric Research*.
- Sutter, K., Ifft, D., Engstrom, J., Kavanaugh, K., & Meier, P. (1991, October). Reliability of preterm infant head circumference measurements using cloth and paper tape measures. *ACOG/NAACOG Regional Meeting*. Chicago, IL.
- Meier, P., Engstrom, J., McCoy, R., & Mangurten, H. (1990, June). Patterns of intake during breast feeding for preterm infants. *ANF Research Poster Session, American Nurses' Association Convention*. Boston, MA.
- Meier, P., Engstrom, J., Kavanaugh, K., Lysakowski, Y., Ifft, D., Rosenberg, S., Verzo, B., McCoy, R., Wheeler, D., Murphy, J., & Boles, B. (1990, March). Reliability of growth measures for preterm infants. *Fifth Annual MCN Convention*. Orlando, FL.
- Kavanaugh, K. L., Lysakowski, T. Y., Meier, P. P., & Engstrom, J. L. (1988, October). Reliability and validity of the Toledo and Smart infant scales. *National Perinatal Association Annual Meeting*. San Diego, CA.
- Meier, P., Engstrom, J. L., McCoy, R., & Mangurten, H. M. (1988, October). Management of breast feeding for preterm infants. *National Perinatal Association Annual Meeting*. San Diego, CA.
- Kavanaugh, K. L., Lysakowski, T. Y., Meier, P. P., & Engstrom, J. L. (1988, July). Reliability and validity of the Toledo and Smart infant scales. *Second NAACOG Research Conference*. Toronto, Canada.

**Research Posters and Presentations by Graduate Students under my Supervision**

- Johnson, T., Engstrom, J., Warda, J., Kabot, M., Peters, B., & Meier, P. (1995, April). Intra- and interexaminer reliability of four methods of measuring length in term infants. *Nineteenth Annual Midwest Research Society Meeting*. Kansas City, KS.
- Johnson, T., & Gelhar, D. (1993, March). Reliability of anthropometric measurements of term neonates. *Seventeenth Annual Midwest Nursing Research Society Meeting*. Cleveland, OH.
- Johnson, T., & Gelhar, D. (1993, November). Reliability of anthropometric measurements of term neonates. *Sigma Theta Tau National Meeting*. Indianapolis, IN.
- McCoy, R., & Kadowaki-Chamblin, C. (1989, January). Patterns of intake during breast feeding for preterm infants. *Third Annual Pediatric Nursing Research Conference, Children's Hospital of Los Angeles*. Los Angeles, CA.
- Verzo, B., & Rosenberg, S. (1989, April). Reliability of length measurements for preterm infants. *NAACOG Seventh National Meeting*. St. Louis, MO.
- Ifft, D. (1989, April). Reliability of head circumference measurements for preterm infants. *NAACOG Seventh National Meeting*. St. Louis, MO. ***Paper won the Conference's Honorable Mention Award.***
- Estrada, B., Mikulajcik, M., & Noonan, D. (1989, April). Bottle and breast feeding: Physiological effects on preterm infants. *NAACOG Seventh National Meeting*. St. Louis, MO.
- Ifft, D. (1988, October). Reliability of infant head circumference measurements for preterm infants. *National Perinatal Association Meeting*. San Diego, CA.
- Danielson, D. (1987, May). Nipple stimulation for contraction stress testing of the fetus. *Thirty-second Annual ACNM Convention*. Orlando, FL.
- Westerlund, T. (1987, May). Nipple stimulation for the management of the third stage of labor. *Thirty-second Annual ACNM Convention*. Orlando, FL.

## **RESEARCH GRANTS**

Barriers to Continued Provision of Human Milk for Black Mothers of VLBW Infants. Role: Co-Investigator. (Principal Investigator: Aloka Patel). National Institute for Child Health and Human Development. RO3HD081412-01. 2014-2016. Budget: \$100,000.

Health Benefits and Costs of Human Milk Feedings for Very Low Birthweight Infants. Role: Co-Principal Investigator (Principal Investigator: Paula Meier). National Institute for Nursing Research. RO1NR010009. 2007-2013. Budget: \$2.76 million

Comfort and Effectiveness of New Breast Pump Suction Patterns for the Initiation and Maintenance of Lactation in Breast Pump-Dependent Mothers of Premature Infants. Role: Principal Investigator. Medela, Inc. 2006-2008. Budget: \$14,000.

The Effect of Human Milk Feedings on Growth Velocity and Major Morbidity in Extremely Low Birth Weight Infants in the Neonatal Intensive Care Unit. Role: Co-investigator (Principal Investigator: Aloka Patel). Rush University Committee on Research Grant. 2005-2008. Budget: \$20,000.

Accuracy of a New Centrifuge for Measuring Creamatocrits in the NICU. Role: Co-Principal Investigator (Principal Investigator: Paula Meier). Separation Technology, Orlando, FL. 2003-2005. Budget: \$24,000.

Comfort and Effectiveness of the Symphony Breast Pump: A Multi-Site, Randomized Comparison of Three Suction Patterns. Role: Co-Investigator (Principal Investigator: Paula Meier). Medela, Inc. 2002-2005. Budget: \$150,000.

Lactoengineering Own Mothers' Milk for ELBW Infants: Safety and Efficacy. Rush University Committee on Research. Role: Co-Investigator (Principal Investigator: Ushanalini Vasan). 1998-1999. Budget: \$9,980.

Rush Mother's Milk Club: Profile and Breastfeeding Outcomes. Role: Co-Investigator (Principal Investigator: Paula Meier). Rush College of Nursing Research Resource Fund. 1997-1998. Budget: \$4,975.

Fertility Drugs and Subsequent Risk of Cancer. National Cancer Institute. Role: Project Director (Principal Investigator at University of Illinois at Chicago – Humberto Scoccia, Principal Investigator at NCI: Louise Brinton). Responsibilities included coordinating all aspects of this large, retrospective cohort study including review of over 5000 medical records to determine eligibility and essential medical information, oversight of the abstraction of approximately 3000 of those records, and subsequent follow-up with the women whose records were abstracted. 1996-2001. Budget: \$100,000.

Endometrial Ablation with the VestaBlate<sup>R</sup> System: A multi-site, randomized clinical trial comparing the VestaBlate<sup>R</sup> endometrial ablation system to the resecting loop with rollerball/rollerbar electrodes in the treatment of abnormal uterine bleeding. Role: Project Director (Principal Investigator: Andrew Brill). Responsibilities included: coordinating all aspects of the clinical trial; subject recruitment and enrollment; subject



instruction; assisting with examinations, testing, and surgical procedures; subject follow-up; and completing all case record forms, maintaining all study records, and managing the study budget. 1996-1998. Budget: \$330,000.

Safety and Efficacy Study of Femcap<sup>R</sup> used with Spermicide vs. the Ortho All-Flex<sup>R</sup> Diaphragm used with Spermicide: A multi-site, Phase II/III clinical trial studying the efficacy and safety of a new contraceptive device, the Femcap, and comparing the efficacy and safety of the device to the All-Flex diaphragm. Role: Co-Principal Investigator and Project Director (Co-Principal Investigator: Bruce Rosenzweig). 1995-1997. Budget: \$107,054

Intra- and interexaminer reliability of three techniques of measuring length in term infants. Olympic Medical. Role: Principal Investigator. 1995-1996. Budget: \$1075.

Preparation and Administration of Intramuscular Injections in Infertility Nursing Practice. Serono Symposium. Role: Principal Investigator. 1993-1994. Budget: \$1000.

Accuracy of a new scale for in-home test-weighing for NICU mothers and infants. Medela. Role: Co-Principal investigator (Principal Investigator: Paula Meier). 1993. Budget: \$4,300.

Efficacy and Safety of the Lea's Shield<sup>R</sup> used with and without Spermicide: A multi-site, Phase II clinical trial studying the efficacy and safety of a new contraceptive device - the Lea's Shield. Contraceptive Research and Development (CONRAD). Role: Co-investigator and Project Director (Principal Investigator: Bruce Rosenzweig). 1992-1993. Budget: \$79,494.

Reproductive Women's Health Study: A multi-site study of the long term health effects of the assisted reproductive technologies and infertility treatment. Role: Project Director/Clinic Study Coordinator, Michael Reese Fertility Center. 1989-1991. Budget: none

Colonization Risk Factors for Infants with Percutaneous Central Venous Catheters. NAACOG. Role: Co-investigator (Principal Investigator: Mary Kay Chathas). 1988-1989. Budget: \$2,000

Bottle and Breast Feeding: Physiological Effects on Preterm Infants. National Association of Neonatal Nurses. Role: Co-investigator (Principal Investigator: Paula Meier). 1987-1988. Budget: \$2,496

Patterns of Intake during Breastfeeding in Preterm Infants. American Nurses' Foundation. Role: Co-investigator (Principal Investigator: Paula Meier). 1987-1988. Budget: \$2,693

The Intra- and Interexaminer Reliability of a Fundal Height Caliper. Intramural Grant, University of Illinois at Chicago, College of Nursing. Role: Principal Investigator. 1987. Budget: \$1,506

Infant Scales: Determination and Comparison Reliability and Validity. Biomedical Research Support Grant, University of Illinois at Chicago, College of Nursing. Role: Co-investigator (Principal Investigator: Paula Meier). 1986-1987. Budget: \$1,981

The Influence of Maternal Bladder Volume on the Fundal Height Measurement. Sigma Theta Tau, Alpha Lambda Chapter. Role: Principal Investigator. 1986. Budget: \$400

Fundal Height and Abdominal Girth Measurements during Pregnancy. NRSA Pre-doctoral Fellowship. Role: Principal Investigator. 1984-1985. Budget: \$8,040

### **Grant Review Activities**

Grant Reviewer, *National Institutes of Health, Nursing Science: Child and Family Study Section* Scientific Review Group, June 2009

Grant Reviewer, *Centers for Disease Control and Prevention (CDC)* Scientific Review Panel for grants focusing on the “Evaluation of Breastfeeding Promotion and Support Programs”, April 2006

Grant Reviewer, *Maternal and Child Health Bureau (MCHB), Department of Health & Human Services.* Review panel for the grants “Leadership Education Excellence in Maternal and Child Health Nursing, March 2003

### **Expert Panels**

Expert Advisor, Face validity of measures of contraceptive use, US Office of Population Affairs

## **EDITORIAL ACTIVITIES**

### **Editorial Roles**

*Journal of Midwifery & Women's Health*

Associate Editor: 2008 – 2012

### **Manuscript Peer Review Activities**

#### **Ongoing Peer Reviewer**

*Breastfeeding Medicine*, 2012-present

*Journal of Human Lactation*, 2010-present

*Journal of Midwifery & Women's Health*, 1991–present

*Journal of Obstetric, Gynecologic, and Neonatal Nursing*, 2009-present

*Journal of Pediatrics*, 2016-present

*Pediatrics*, 2011-present

#### **Previous Peer Reviewer**

*Acta Paediatrica*, 2017

*Biological Research in Nursing*, 2005

*BMC Medical Research Methodology*, 2010

*British Journal of Psychology*, 2005

*Obstetrics & Gynecology*, 1986

*Research in Nursing and Health*, 1986

### **Abstract Reviews**

Abstract Reviewer, *American Society for Reproductive Medicine*, 1994-1997

### **Poster Reviews**

Poster Judge, American College of Nursing Midwives, 2009-2011

## **PROFESSIONAL ACTIVITIES**

### **Current Memberships in Professional Organizations**

American College of Nurse-Midwives (ACNM)

National Association of Nurse Practitioners in Women's Health (NPWH)

American Association for the History of Nursing (AAHN)

Sigma Theta Tau International (STTI)

### **Leadership Positions in Professional Organizations**

American College of Nurse-Midwives, Breastfeeding Task Force  
Member: 2010 – 2012

American College of Nurse-Midwives Credentialing Council  
Computer Based Testing Task Force Member: 2004  
Finance Committee Member: 2004-2005

American College of Nurse-Midwives, Division of Competency Assessment  
Proctor: 1986-1989, 1992-1993

American College of Nurse-Midwives, Division of Research  
Member: 1987-1989

American College of Nurse-Midwives, Division of Education  
Governing Board Member: 2002–2005  
Section Chair for Education Promotion: 2002–2005

American College of Nurse-Midwives, National Bylaws Committee  
Vice-Chairperson: 1991-1994

Directors of Midwifery Education  
Treasurer: 2000–2005

Frontier Nursing University Honor Society  
Founder: 2011-2013  
Faculty Liaison: 2011 – 2013  
Counselor: 2013

Reproductive Options Education Consortium  
Advisory Committee: 2006-2010

Sigma Theta Tau, Alpha Lambda Chapter

Junior Counselor: 1995 -1996

Senior Counselor: 1996 -1997

United States Breastfeeding Committee

Representative for the American College of Nurse-Midwives 2006-2008

Electronic Communications Committee: 2006-2008

### **CONSULTATIONS: CURRICULUM**

Marian University, Doctor of Nursing Practice Program

Consultant for the development of a combined epidemiology and biostatistics course

Indianapolis, IN, 2016

Kaplan University, Doctor of Nursing Practice Program

Consultant for the development of a combined epidemiology and biostatistics course

Chicago, IL, 2015

State University of New York at Stony Brook, Nurse-Midwifery Education Program

Consultant for the physiology content of their curriculum, which was taught using computer assisted, distance learning methods,

Long Island, NY, 1995

Community Based Nurse-Midwifery Education Program, Frontier School of Midwifery

Consultant for the reproductive physiology content of their curriculum,

Hyden, KY, 1992

University of Michigan, Nurse-Midwifery Program

Consultant for developing a course titled "Physiologic Basis of Reproductive Health"

Ann Arbor, MI, 1992

### **FUNDING FOR EDUCATIONAL PROJECTS**

Genetics Interdisciplinary Faculty Training.

Genetics Interdisciplinary Faculty Training Program at Duke University. Integrating genetics into the curriculum. 2002-2003. Budget: \$7000.